

Severstal International Schaefer Road WWTP (aka Rouge Steel) MID 087 738 431

Diane Sharrow to: Bryan Gangwisch

11/26/2012 08:56 AM

Co. Lorna Jereza, Gaylene Vasaturo, Sherry Estes, Gary Victorine,

Michael Cunningham, Michael Beedle

Bcc: Diane Sharrow

From:

Diane Sharrow/R5/USEPA/US

To:

Bryan Gangwisch/R5/USEPA/US@EPA,

Cc:

Lorna Jereza/R5/USEPA/US@EPA, Gavlene Vasaturo/R5/USEPA/US@EPA, Sherry

Estes/R5/USEPA/US@EPA, Gary Victorine/R5/USEPA/US@EPA, Michael Cunningham/R5/USEPA/US@EPA, Michael Beedle/R5/USEPA/US@EPA

Bcc:

Diane Sharrow/R5/USEPA/US

Bryan,

With both Lorna Jereza and Gaylene Vasaturo retiring in December 2012, I wanted to make sure you were all aware of the status of this Michigan site.

A RCRA 7003 Administrative Order was issued in 2001 (Docket No. R7003-5-00-001).

Severstal Dearborn LLC continues to operate the WWTP, submit Monthly Progress Reports and conduct activities under the Continuing Emergency Measures Workplan to remove oil and to limit exposure of wildlife.

These Monthly Reports are on file in the RCRA File Room on the 7th Floor of the Metcalfe Building.

File Room staff has sent some of the older materials on this site to the Federal Records Center.

The SRWWTP has been subject to sampling by CS 1 and under a corrective action order issued under 3008(h) to Ford Motor Company (SRWWTP was originally part of the Rouge Complex).

The SRWWTP has also been subject to litigation filed by Ford against the US.

John Craig of MDEQ is copies on the Monthly Reports.

I last inspected the site for compliance with the 7003 Order and CEM Workplan in August 2011.

If you have any questions, please let me know.

Thank you,

Diane M. Sharrow
Environmental Scientist/Senior Inspector
USEPA, Region 5, Land and Chemicals Division
RCRA Branch, Compliance Section 1
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Chicago, IL 60604-3590

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Sharrow.Diane@epa.gov





March 14, 2014

Via Certified Mail - Return Receipt Requested

Diane M. Sharrow (LR-8J) Enforcement Officer RCRA Branch Land and Chemicals Division U.S. EPA, Region 5 77 West Jackson Boulevard Chicago, IL 60604-3590

Subject: February 2014 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant

('SRWWTP')

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The February monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. The report contains the February operators' inspection logs. No wildlife was potentially exposed in the month of February.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,

James E. Earl, Manager Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ

US Fish & Wildlife, Ann Arbor Office

www.severstalna.com



CONTINUING EMERGENCY MEASURES

THE MONTHLY PROGRESS REPORT FOR February 2014

SCHAEFER ROAD WASTE WATER TREATMENT PLANT SEVERSTAL DEARBORN, LLC

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES MONTHLY PROGRESS REPORT SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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CONTINUING EMERGENCY MEASURES MONTHLY PROGRESS REPORT SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period February 1 through February 28, 2014. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. In the month of February, the cannons and air dancers partially operated for a couple days due to rain and windy weather. Also on 2/4/2014, one of three cannons wasn't operated due to a broken spring and was fixed around 2:00 pm same day. Daily inspections showed very low activities observed throughout the area, and we believe that the non-working cannon and air dancers didn't affect the operation of the wildlife deterrent systems. Also, no repetitive use of the treatment ponds and lagoons was observed in the February inspections.

In the month of February, on several occasions a grebe, blue herons and common loon were observed near or using one of the treatment plant impoundments and were scared off with the air horns. The birds flew or ran away after horn blasts, so persistent hazing with the air horn was necessary.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in February. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

- 1. Is all recoverable oil captured within containment areas at the end of each workday? Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed by vacuum truck.
- 2. Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact? No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by vacuum truck.
- 3. Is all soil with visible oil contamination covered to prevent wildlife direct contact? Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
- 4. Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan? The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place. Propane cannons operated properly in February 2014 except for a couple days due to rain and windy weather. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
- 5. Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence? In February, there were observations of a grebe, blue herons and common loon near or using one of the treatment plant impoundments. In some cases, the birds or animals flew or walked away on their own, but more often persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix A.
- 6. Are required and specified materials and equipment on hand and in usable condition or properly deployed? As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of February 2014.

APPENDIX A

Inspection Summary and Report Sheets

SUMMARY OF WILDLIFE ACTIVITY LOG

Inspections	Bird Observations	Interest Shown	Adjacent	Flying Over	Elsewhere	Interest Shown Location	Number of Horn Blasts	Exposed?	Carcass?	Result
101	145	1	17	100	68	Secondary Lagoon	129	No	No	Flew or ran away on their own and after horn blasts.

*During dawn to dusk inspections Interest Shown: In or On the Ponds

Adjacent: to within 5 feet of water edge or surface

Elsewhere: On the ground or structure, or in tree >5 from water

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Vegetation (>6 inches high)	Cannon Operating	Scary Balloons (>8 inflated)	Netting Holes or Gaps	Mylar Bibbons Inplaced	Air Dancer Operating?
None	No	Yes*	Yes	No	NA	Yes. Except for a couple snow or windy days

^{*} One out of three Cannons was not working on 2/4/2014 due to broken spring. The cannon was fixed at 2:00 PM same day. The Cannons also were not working on 2/20 half day and 2/21 half day due to rain, cold weather or high wind condition.

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Re	ecoverable Oil	If Recoverable Oil Not	Oil Man	agement	
			Oil	If Not.	
Primary	Secondary		equipment	Response	
Lagoon	Lagoon	Speccific Location	off Ground	Action	Comments
0	0	NA	Yes	NA	Oil not captured by skimmers is removed frequently by vacuum truck.

			SR	WWTP - WILD	LIFE ACTIV	TTY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴	Inspector (Initials)
2/1	8:13 _{AM}	CANANA GOOSE	1/	SL S (P) D B	I A (O) E	6	FIEW AWAY	n)	1)	W
2/1	8:17M	CAWADA GOOSE	30	SL(S)P D B	I A (9) E	0	FIFTH AWAY	N	N	RC
196.7 1 1	8:24 AM	CANADA GOOSE	47	SL(S)P D B	I A O E	0	FIETWALLAY	N	N	10
2/1	9.11AM	GREAT HIVE HERON	2	SLSPD/B>	I (Ā) O E	a	FIEW ABUAY	N	11	10
2/1	s:47 _{pm}	creat blue Hear	1	SL (S)P D B	IAO E	Ş	F/FW AWAY	N	N	J.
2/2	834 AM	Ring Billen Gull	1	SL S(P)D B	1 A Ø E	0	FIEW AWAY	N	N	R
7/2	2.35pm	CANADA GOOSE	5	SL SPD B	I A Ô E	0	FIEW AWAY	N	N	Re
2/2	5.32pm	CANADA GODSE	2	SL S(P) D B	I A O E	0	FIEW AWAY	1/	N	15
7/7/	5:40 pm	SPATTOW	5	SL S(P) D B	I A (O) E	0	FIEW AWAY	1/	N	14
2/2	5:40m	RING BILLED CULL	1	$SL(\widehat{S})PDB$	I A (O)E	0	FIEW AWAY	N	//	CC
7/2	8 08 M	RINGBILLED GULL	2	SL S(P)D B	I A O E	0	FIEW AWAY	N	N	RC
2/3	8:16AM	Great blue Heran	3	SL S P D B	I A O E	У	FIEW AWAY	\mathcal{N}	1	RE
2/3	3:02pm	Great blue Heron	1	SL(S)P D B	I (A) O E	0	FIEW AWAY	n)_	1)	K
2/3	4:01pm	Great blue Heron	1	SL (S) P D B	I O E	0	FIEW AWAY	n	\mathcal{N}	120
2/2	5:36 _{PM}	GRAT blue HERON	1	SL S P D B	1 A (6) E	0	FIEW AWAY	ħ)	N	R
2-4	8:00 Am	CANADA LOOST		SL(S P D B	I A (D)E	O	FLEW LUNGY	Ν	N	24
2-4	10:00 Am	RING BILLD FULL	1	SLSPDB	I A OE	0	FIELD AWAY	N	N	7
	8 - 2Pm	GREAT BLUE HERON	ĺ	SL S P(D)B	I A O (E)	0	Flie AWAY	N	\mathcal{N}	
2-4	Z:00Pm	Rabbit	1	SL S P(D)B	I A O É	2	RAN TWAY	N	N	4
2-4	0-15 PM	CANADA GOOSE	90	SL S P D B	I A (O)E	0	FLEW MWAY	N	N	W
24	0-15 PM	ERROY THEROX		SL(S)P D B	IAO E	4	thus tway		N	T
	8100 AM	Robin	1	SL(S)P D B	I A O Ê		FIFW HWAY	N	N	

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree > 5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife careass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

			SR	WWTP - WILD	LIFE ACTIV	ITY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
2-5	1,00 BW	CANADA GOOSE	10	SL S (P)D B	I A (О́)Е	D_	VACIF CIETY	N	7	1
75	3:08/1	RING BILLED GUIL	\wp	(Sî) S P D B	I A OOE	0	FLEW HUMY	N	N	
75	3'.1090	GREAT BLUE HEROX	1	\$LSPDB	I A (O)E		FEW twall		N	127
25	5:30pm	CANADA GOOSE	8	SL(S)P D B	I A O E	0	FLEW ALVAY	N	N	
2-5	J'oobW	RAWDIT	7	(SL) S P D B	I A O (E)	١	RAN AWAY	N	N	
7-1	Dias M	GREAT JOHN HEROXI	1	SL S P (D)B	I A (O)(E)	0	FLEW AWAY	N	N.	The
2-6	9 001 M	RING BILLEN GULL	7	(SL) S P D B	I A (O) E	0	FLEW AWAY	N	λţ	
26	1:00 PM	GREAT BLUE HERON		SL(S)P D B	I A O E	2.	FLEW LUNGY	N	Ν	M
?. t ,	6:15pm	Rike BillED GOUL	3	(SL) S P D B	I A OE	0	Plu tway	N	2	1
2-7	800An	CANADA 600E	2	SL (S)P D B	I A (Q ()E)	\mathcal{O}	THUMWITT	N	N	1
27	10,00 W	ENEAT BLUE HERON	2	SLSPD/B	I A O (É	0	STANDING	N	\mathcal{U}	
2-7	3:∞Am	RING BILLED GUIL	၇	(SL) S P D B	I A O E	0	FLEW AWAY	N	77	一
2-7	6:30AM	Kribbit		SL(S)P D B	I A O (E)	0	RAW ALDAY	N	1)	
2/2	Siogm	GRAT BLUE HELOW		SL(S)PDB	IAO E	0	FIEW AWAY	N	1/	144
3/01	S/13m.	SPACTOW	6	SL S (P) D B	IAO 🕏	2	FIEW AWAY	N	N	
2/9	5:42 FM	GRAT-blue HERON	1	SL S P D (B)	I (A) O E	5	FIEW AWAY	N,	1/,	14
7 19	7:100	Great blue Heron		SL(S) P D B	I A O E	0	FIEW AWAY	N	1	
2/10	7:56AM	Ring BillEn Gull	1	SL (S) P D B	I A O E	0	FIEWANTY	1	11,	14
2/10	AM	Ring BillEn Gull	3	SL(S) P D B	I A (O) E	0	FIEW AWAY	N	N,	
2/10	12:18 pm	AMERICAN ROBIN	ì	SL S P D (B)	I A O (E)	1	FIFW AWAY	N	1	
2/10	3:05 pm	COMMON LOON	2	SL(S) P D B	1 A (O) E	Ò	FIEW AWAY	N	1)	10
2/10	5:16pm	Bing Billes Gull	2	SL(S) P D B	I A O E	0	FIEWAWAY	N	N	K

 $^{^{1}}$ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

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			SR	WWTP - WILD	LIFE ACTIV	ITY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts_	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
2/10	5125 _{PM}	GREAT blue HERONI	7	SL S P D (B)	I A O (E)	3	FLEW AWAY	Λ	N	K
2/11	8:14 AM	Northern Harrier	1	SL (S)P D B	I A Ø E	\circ	FIEW AWAY	N	N	RP
2/11	8:19AM	Ring BillED Gull	1	SL (S)P D B	1 A O E	0	FIEW AWAY	\mathcal{N}	N	NE
2/11	10115 _{AM}	COMMON LOON	ł	SL(S)P D B	I A O E	0	FIEW AWAY	N	N	20
2/11	5:37pm	AMPRICAN ROBIN	77	SL S(P)D B	I A Ø E	0	FIEW AWAY	λ	N	R
2/11	Sispin	COMMON LOON	1	SL(S)P D B	I (A) O E	Ô	FIEW AWAY	N		
2-12	8:00 Am	(REAT BLUE HERON	2	SL S P D(B)	I A O(E)	0	STANDING	N	λ	1
242	1000AM	GREAT BLUE HEROX	2	SLSPD(B)	IAOE	0	- Shipmote	N	N	1
2-12	10,20 Mr	6011	2	SL S P D B	1 A 6 E	Õ	TEW HUNKY	N	λ	
2-12	100 m	CANDA GOOSE	3	SL SPD B	I A (O)E	0	ItEW AWAY	N	Ż	-St-
2-12	P.30by	RABRI	7	SL(S P D B	I A O (E)	0	RAN HWAY	Ŋ	7	17
2-13	Sicol M	Gull	2	(SL) S P D B	1 A (6 E	0	TEW AWAY	N	2	- T
2-13	10:00 AVM	CREAT BLUE HEROX	\mathcal{T}	SLSPDB	I A (O)(È		FLEW HWAY	<i>X</i>	2	1
243	17:00 P/M	GREAT BLUE HEROX	2	SLSPD(B)	1 A (Q)E	2	FLEW AWAY	N	Ŋ	7
2-13	12:300	n GRERE	l	SL(S)P D B	(i)A O E	le	MELL AWAY	\mathcal{N}	\mathcal{N}	0)
2-13	3:00 AW	GREHT BLUE HERON)	SL(S)P D B	I A O E	2	FLEW AWAY		N	alt .
7-13	1430 PM	GREAT BLUE HERON	Ì	SL (S OP D B	IAO E	10	FLEW AWAY	Ŋ	N	20
2-13):30 PM	GREAT DINE HERCH	1	SL(S)P D B	I AO E	5	FIEW AWAY	N	N	4
	8:00 AW	GREAT BLUE HERON	2	SL S P D B	I A O (E)	3	STANDING	N	\mathcal{N}	4
2-14	8)°00/W	aul	1	(SL) S P D B	I A OE	0	phenocular ,	Ŋ	N	et to
2-14	8,00m	HAWK		SL S P D B	I A OE	7	FLEW AWAY	N	N,	
2-14	8)coly	AMERICA ROBIN	J	SL S P D/B	I A Q E	2	FIEW AWAY	N	N	K

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Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle auy ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴	Inspector (Initials)
2-14	11,00/11	WEAT BLUE HEROX	\	SL S P(D)B	I A (O)(E)	3	FLEW HWAY	N	N	- M
2-14	M:WDW	AMERICAN KOLIN	1	SL S P D B	1 A (O)(E)	2	FLEW AWAY	<u>\\ \\ \\ \\ \</u>		7
2-14	1100/1	What BLIE HERDY	1	SL S P(D)B	I A (O(E)	<i>\</i> 0	Flew Away	N		
2-14	1/230EW	RABBIT	Ì	SL S P D B	IAOÉ	Ī	RAN AWAY	N	N	2
2-15	8;00AW	Gull	2	(SL) S P D B	1 A O(E	0 (FLEW AWAY	N	1)	7
2-15	J.OO TAN	GREAT BLUE HERON	Ĭ	SL S P(D)B	I A (OVE)	\circ	Flew Away	N	N	M.
2-15	1.00 bW	, AMERICAN ROUIN	7	SL S P D(B)	I A O E	2	FLEW AWAY	7	N	龙
2-15	6 30 PM	AMERICA BLACK DUCK	\	SL(S P) D B	I A O E	0	West with	N	N	7
2/16	9:25M	COMMON LOON	Z	SL S P D B	I A 🔘 E	0	FIEW AUX	N	N	R
2/16	11:20 MA	Ring Rillen Gull	1	SL(S)P D B	ј а <u>(О</u>) Е	0	FIEW AWAY	N	N/	RE
2/16	3/58m	Great-blue Heron	1	SL (S)P D B	I A O (E)	Ĵ	FIAN AWAY	N	N	J.
7.116	S:25 _{FM}	common/100n/	2	SL S(P)D B	I (A) O E	4	FIEW AWAY	\sim	1/	ff
2/11	5360	AMERICAN ROBIN	13	SL SPD B	I A O (E)	2_	FIEW AWAY	N	N,	9
2/16	6:02 PM	GREAT BLUE HERON		SL(S) P D B	I (A) O E		FIEWAWAY	N	N	C
2/17	8:06 AM	Ring BillED Gull	2	SL SP D B	1 A (O) E	0	FIEWAWAY	N	N	19
2/17	9:40 AM	CANANA GOOSE	16	SL(S) P D B	I A (O) E	\mathcal{O}_{-}	FIEWAWAY	N	N	
7/17	1:53m	COMMON) LOON)	1	SL(S)P D B	I (A) O E	8	FIEWAWAY	N	1/	14
2/17	5:21pm	Ring BillED GUI		SL SPD B	1 A (O)E	0	FIEW AWAY	N	W	10
2/18	7542 AM	Ring Billen Gill	3	SD S P D B	I A ① E	0	FIEW AWAY	N	N	
2/18	8:32 AM	Ring Billen Gull	2	SL SPDB	1 A (O) E	0	FIEW AWAY	N	N	K
2/18	8:37 AM	Rina Billen Gull	1	SL(S)PDB	IAO E	0	FIEW AWAY	N	N	K)
2/18	10:24 AM	Ring Billen Gull	1)	(SL) S P D B	I A (O) E	0	FIEW AWAY	N	N	

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			SR	WWTP - WILD	LIFE ACTIV	TTY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴	Inspector (Initials)
2/18	5:37m	Creat blue Heron	1	SL S(P)D B	IAO(Ē)	2	FLEW AWAY	N	11/	B
2/18	639m	CANADA GOOSE	6	SL(S)PDB	I A 🔞 E	0	FIEWAWAY	n/	NI	K
7/19	7:41 _{AM}	Great blue HERON	1	SL(Ŝ) P D B	I A O (È)	2	FIEW AWAY	N	ÍN	le
2/19	7:4/AM	Ring BillED Gull	1	(S)LSPDB	1 A O E	0	FIEW AWAY	N	N	NE
7/19	7.43M	AMENCAN ROBIN,	1	SLS P D B	IAOE		FIEW AWAY	n/	N	
2/19	7:49M	Ring BillED GUIL)	SL S(P) D B	I A ① E	0	FIEW AWAY	N	N	1
2/19	9:17AM	Ring Billeo Gull		SL S(P) D B	I A O E	0	FIEW AWAY	N,	1	18C
2/19	10:10AM	AMENICAN ROBIN.	6	SL S(P) D B	I A O (E)	2	FIEW AWAY	1	N,	
2/19	5:33 _M	Rina Billeb Gull	1	SL SPDB	I A O E	0	FIEW AWAY	N	M	19
2/19	6:00pm	Great blue Heren)	SL(S) P D B	1 A 🛈 E	0	FIEW AWAY	\mathcal{N}	N	18
2-20	8,00 W	CANNA GOSE	12	SL/S P D B	I A (O)E	0	FIED MWKY	<u> </u>	N	1
2-20	MK COCIE	FUERILAN Probin	1	SL)SPDB	I A O(E)		FIEW AWAY	N	\mathcal{N}	
220	9:30AW	CAWADA GOOSE	Z	SL(S)P D B	I A (O) (E)	0	FLEW AWAY	N	77	7
2-20	1,20bM	Back Dock	7	SL(S)PDB	IAOE	0	FIEW YWAY	1	N	, W
2-20	630PM	CrafADI GOOSE	4	SL(S)P D B	IAO(Ē)	0	Flew Away	N	N	74
2-21	8:00 AM	RING BILLETS GUIL	5	(SL)S P D B	I A OE	0	FIEW AWAY	N	N	1
2-21	1.00/W	BLACK Duck		SL ∕S P D B	1 A (6) (E	0	FLEW AWAY	N	Ŋ	to
271	1:00 PM	Sparrows	1	SL S P D B	I A (0)(E		Fliw AWAY!	\mathcal{N}	<u> </u>	- The
2:21	1500bM	Robin	\	SL(S)P D B	I A O E	0	FIFU AWAY	_ <i>\(\lambda\)</i>	2	A
2-21	630M	Solter ALE HTROX	1	(SL) S P D B	I A O E	0	They will	N	X	
7-21	645PW	Rabbit		SL(S)P D B	I A O(E)	0	RAW AWAY	N	X	2
2-22	1400'S	n Gull	· 4	(SL) S P D B	I A (O)E)	\bigcirc	FLEW HUNLY	<u> </u>		The

SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

With respect to impoundment(s): 1 = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree > 5 feet from water).

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			SR	WWTP - WILD	LIFE ACTIV	TTY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed 3 (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
2-22	11:00/11	1 SPARROW	$\int_{\mathcal{O}}$	SLSPD®	1 A O E	7	FLEW AWAY	N	N	
7-22	3.00 PM	Sparrow	1	SL SPDB	I A OE	0	FITW AWAY	N	N	74
7-22	(:00A)	SOARROW	4	SLSPD(B)	I A (6)(E)	<u>0</u>	FLEW AWAY	N	N	
2-22	A:00\P	RODIN)	SLSPD/B) I A (6)(É	0	FLEW AWAY	N	N	1
2-23	Mosios	(7	(SL) S P D B	I A (O) E)	0	FIEW AWA	N	Ŋ	200
2-23	11,00/11	SPARROW	4	ŜL S P(D) B	I A OE		FLEW AWAY	N		1
2-23	3;00PM	GREAT BLUE HERON	1	(SL) S P D B	I A (O)(E)	0	FLEWAUXY	\mathcal{M}_{\perp}		1
2.23	J. OOP	SARROW	2	SL S P D/B	I A OE		FIEW AWAY	N	\mathcal{N}	4
2/24	7:53AM	CHNANA GOOSE	2	SL/S)PDB	1 A Ø E	0	FIEW AWAY	N	1/	19
2/24	810gm	RingBilleD Gull	2	SL(S) P D B	I A O (E)	3	FIEW AWAY	N		
2/24	8:16 _{AM}	Northern Harrier	1	SL S (P) D B	I А 🔞 Е	0	FIEW AWAY	N	1	199
7/24	5:55	COMMON GRACKIE	35	SL S/P D B	1 A Ø E	0	FIEW AWAY	N	N	
2/25	7:56 AM	CANADA GOOSE)	SL S(P) D B	I А (б) Е	0	FIEW AWAY	N	1/	W
Zhs	1:5 PM	CANADA GOOSE	8	SL(S) P D B	I A (O) E	0	FIEW AWAY	\mathcal{N}	N	14
2/25	2.02 pm	CANADA GOOSE	5	SL(S) P D B	1 A Ô E	Ö	FIEW AWAY	\mathcal{N}	\mathcal{L}	PC
2/25	2:06pm	Ring Billen Gull	2	SL S(P)D B	I A O E	0	FIEW AWAY	Δ	A	RE
2/25	5/35M	CANADA GOOSE.	<u>z</u>	SL SPD B	I А (б) Е	0	HEW AWAY	N	1/	
2/25	5:39pm	Ring BillED Gull)	SL(S) P D B	I AO E	0	FIEW AWAY	N	N	
2/26	8:0/m	COMMON GRACKLE	ľ	SLSPD B	IAOŒ	1	FLEW AWAY.	N	N	<i>SC</i>
12 /2 /	8:03	Northern Harrier		SL SP D B	1 A (0) E	0	FIEW AWAY	N	N	E.
12/26	8 AM	Ring Billen Gull		SL(S) P D B	I A O E	0	FIEW ALKY	n	1	K
2/26	3 WAM	CANADA GOOSE	3	SL S(P) D B	1 A (O) E	0	FIEW AWAY	N	n	P

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			SR	WWTP - WILD	LIFE ACTIV	TTY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
2126	9:17M	GRAF blue HEON	2	SL S P D P	I (A)O E	こ	FLEW AWAY	N	Al	K
7/26	5:48m	ring BillED Gull	3	SL S(P)D B	1 A (O) E	0	FIEW AWAY	N	N	R
2/27	753m	ring Billen Gull	3	SL S(P)D B	I A O E	0	FLANTWAY	N	n	120
2/27	9:117 pm	GRAT blue HERBAY	1	SL S P D B	I (A) O E	2	FIEW AWAY	n	N	
2/27	9:1) AM	MONNING DOVE	6	SL(S)P D B	I A 🛈 E	0	FIFW AWAY	N		1
7/77	11:25	Ring Rillen Will	1	SL(S)P D B	I A OE	0	I FIEW AWAY	1	N	#
2/27	6.05m	northern Harrier		SL SPD B	1 A (6) E	0	FIEW AWAY	N	\mathcal{N}_{\perp}	14
2/27	631494	SATTON	2	SL S P B	I A O E	2	FIFEW AWAY		\mathcal{N}	25
2.28	8 2 M	, Gull	4	(SL) S P D B	I A O E		FLEW AWKY	N	7	The state of the s
2-28	10:00}m	METERY HOW HARRIER	2	SL S P D (B	I A O Œ	0	FLEW AWAY	N	7	
7-28	$l\infty bW$	SPARROW	3	SL S P D(B	I A O(E)	1	FLEW AWAY	N	2	
2-28	5:00 PM	GOOD ACKNAN		(SL)S P D B	1 A (O) (E	<u> </u>	FIEW AWAY	N	N	10
2-25	T.00AM	- Frabbit	1	SL (S P D B	I A O E) (RAN AWAY!	N	N	
		· ·		SL S P D B	I A O E		(
				SLSPDB	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					

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	SRWV	VT	P DAII	Ĺ Y	WILD]	LII	FE	DE	ETERRE	INI	S 1	NS	PEC	CTIC	ON	LOG	SHEET	
Insp Date	ection Time		ncing in Good ndition?	Ol incl	getation (ay (< 6 (es high; uttings)?	Op	Canne erati (Y/N	on ing?	tus of Deter At Least Eight (8) Balloons Inflated?	Net of	Syste ting l Holes Saps?	Free s or	(A _I		Iay, A		At Least One (1) Air Dancer Operating?	Inspector (Initials)
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²	Y/N	
2/1	9:00 AM	Y	N	4	N,	Y	4	4	4	¥	Y	4	Y	Y	4	4	4	RC
2/1	1:00pm	¥	\sim	4	N	y	4	4	Y	Y	Y	У	Y	Ý.	4	4	<i>Y</i>	
7/7	9:00 AM	Ý,	N	/	N	Ý	4	4	<u> </u>	y	Ý.	Y	4	<u> </u>	4	<u>V</u>	<u> </u>	
2/2	1:00pm	Y	N	¥	N	Ý	Y	ÿ	У	Ý	Y	Y	9	4	<u>y</u>	4	<u> </u>	10
7/2	9:00	4	N	4	nJ	Ÿ	Y	4	<u>Ý</u>	1	У _	y	Ϋ́	4_	¥	Y	<u> </u>	
メ/ン	1:00 PM	У	N	Y	N	Y	У	У	<i>y</i>	¥	<u>Y</u>	¥,	4	y	У	1		1
2/	1,00 pm	7	N	Y	N	7	Y	N	7_	1	7	7	NA	1		NA	<u> </u>	
104	1:00 Pm	Ý	N	7	7	7	Y	N	Y	7	17	7	NH	NA	174	NY		
2/	9:∞Am	7	7	Y	N	7	1	7	7	7	7	7	AL	NA	NA	XX		#
/ 05	1:00 Pm	7	7	Y	1	Y	Y	Y	<u> </u>	Y	Y	Y	MA	NH	MA	NA		TU
2/	diso Am	7	7	7	7	7	Y	Y		7	7	7	NY	W	NA	NA	4-	7
/ 06		7	N	7	7	Y	1	4	1	7	Y	7	NA	NA	NY	NK_	4	
2/4	9:00 AM	7	7	7	7	¥	Y	A		7	Y	7	<u> </u>	AL	NA	NA		<u> </u>
10/f	1:00 8	X	N	7	7	7	7	1	1	1	X	7	NH	W	MA	NX	7	130
7/5	9:00 AM	Y	N)	Ý	\mathcal{N}	7	4	7	4	Ý	<u>y</u>	4	NA	M	nA	NA	4	
2/8	1:00pm	4	N	Ý	N	Y	Y	Y	Y	\checkmark	Y	V	NA	NA	NA	MA		Ø-(

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NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

		WT]	P DAII	LY	WILD		FE						PEC	CTIC)N	LOG	SHEET		
Ins _l Date	Time]	ncing in Good ndition?	Ol incl	getation kay (< 6 nes high; uttings)?	Op	Cann erat (Y/N	on ing?	At Least Eight (8) Balloons Inflated?	Net of		Free s or	(A _I		lay, A	Okay? .ug & Y/N)	At Least One (1) Air Dancer Operating?	Inspector (Initials)	
		Y/N	Location (if N)		Location (if N)	P	s	D	Y/N	EL	WL	P	P	S	D	W PF ²	Y/N		
	9:00 M	Y	N	Y	N	Y	У	4	4	Ý	У_	Y	NA	NA	NA	NA	ý	R	
19	1:00pm	4	N	У	\mathcal{N}	Y	Ý	4	Ý	4	Ý	4	NA	NA	NA	NA	<i>Y</i>	R	
lia	9-00	У	N	4	N	Ý	Ý	Ý	Ý	4	1	4	NA	NA	NA	NA	Ý	R	
- 10	1:00 PM	Y	N	Y	N	Y	Ý	Ý	Ý	У	Y	4	NA	NA	MA	M	Y	K	• *
, /,,	9:00 AM	Y	N	ý	N	4	4	Y	Ý	Y	4	Y	NA	NA	NA	NA	· Y	R	
١١١	1:000	ý	N	Y	N	y	4	Y	У	Y	Y	4	NA	NA	WA	NA		#	
?~/_	9:00 AM	Ý	7	Y	72	Y	Y	7	7	Y	Y	Y	NA	NA	NA	NA	7	1	
<u> </u>	1:00 bW	Ż	N	7	7	7	7	7	1	Y	7	Y	VH	NA	NA	NA		<u> </u>	
2/0	dioNW	7	N	7	N	Y	7	7	<u> </u>	7	Ÿ_	7	W	M	NA	NA			
112	1:00 PM	7		7	7	$\frac{1}{2}$	Y	Y	Ý	7	Y	Y	M	NA 1	14	NA			V. 1
2/	9,00 AM	1	N	7	N	1	7	1	<u> </u>	Ì	7	1	NA	W	44	MA		THE PERSON NAMED IN	Nik Ros
14	1:00 6W	7	N	7	N	Y	Ý	N	7	Ý	Y	X	MA	W	N¥	NA			RER
ر/ ک	9:00 Am	7	N	7	7	X	1	Y	7	1	1	X	NA	M	NA	<u>h n</u>		世	
1)	1:00 BW	7	N	7	N	7	7	1		1	7	Y	NA	NA	NA	NH		#	
1/6	9:00 AM	7	N	4_	N,	Y	Y	4	<u> </u>	Y	Y	Y	NA	NA	M	NA	Ý	K)
<i>/ /U</i>	1:00pm	4	\mathcal{N}	Ý	\mathcal{N}	Y	У	Y	4	<u>Y</u>	<u>Y</u>	Y	NA	NA	NA	M	- 4	K	

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² W PF = West Perimeter

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Insp	ection				*************************************			Sta	tus of Deter	rent	Syste	ms			· · · · · · · · · · · · · · · · · · ·		<u></u>		
Date	Time		ncing in Good ndition?	Ol incl	getation (ay (< 6 nes high; uttings)?	Op	Canne erati (Y/N	ing?	At Least Eight (8) Balloons Inflated?	of	ting] Holes	or	(A _I		Iay, A		At Least One (1) Air Dancer Operating?	Inspector (Initials)	
		Y/N	Location (if N)	Y/N	Location (if N)	P	s	D	Y/N	EL	WL	P	Р	S	Ð	W PF ²	Y/N		
2/17	9:00 AM	\forall	N	Y	N	Y	4	У	У	Y	Y	Ý	NA	NA	NA	NA	У	R	
	1:00pm	Y	N	Ý	N	Y	Y	У	ý	Ý	Ý	¥	NA	NA		1	Ý	R	_
7/15	9:00 mm	У	N	Y	N	Y	Y	4	Ϋ́	y	Ý	Ý.	WA	NA	NA	NA	<i>y</i>	R	
2/18	1:00pm	У	N	Ý	N	Y	Y	Y	<u> </u>	y	У	У	NA	NA	NA	NA	Ý	R	_
2/19	9:00 AM	4	N	4	N/	Ý	4	4	<u> </u>	Y	4	У	NA	NA	NA	NA	4	RO	
	1:00 pm	У	N	Y	N	4	4	Y	<u>Y</u>	4	<u>Y</u>	Y	M	NA	NA	NA	4	JEC -	
~/	100 AW	7	N	7	7	1	1	1		1	Y	1	NA	MA	NA	NA	<u> </u>		
	1,00 BW	7	N	7	N	N	N	N	7	1	7	7		NA	NH	AK			 <u>1</u>
U/00	Jipo AM	7	N	7	N	1	N	X	<u> </u>	7	7	7	NA	が	KA	NA	7	7	ij
/ 4	17.M.	Ÿ	7	Y	N	1	Y	Y	Ý	ΙŽ.	Y	Y	NK	NA	NA	NA	N	7	ن ا
2/0	4.00 AM	Y	N	7	7	7	7	Y		Y	7	7	μĄ	NA	NA	ŃΨ	N	1	
/ 6-b	17,0017	7	N	7	N	7	Y	Y		7	7	7	M	M	M	AU	_ N	7	
2/2	(J.\o)	7	N	X	N	\geq	7	Y	<u> </u>	Y	7	¥	NA	Nt	入大	NA	2		
/ VD	1,00 54		N	7	N	7	7	7	7	Y	Y	7	NA	NA	NA	Nt	7	1	
2/24	9:00 AM	Y	N_{\perp}	\mathcal{A}	N	7	Ý	<u>Y</u>	<u> </u>	N	Y	4	RA	NA	NA	NA	<i>y</i>	14	
2/01	1500pm	Y	\mathcal{N}	ΙУΙ	\mathcal{N}	4	4	Y	Ý	У	Y	Y	NA	M	nA	NA	4	K	

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	SRWV	VTI	P DAII	$\mathbf{L}\mathbf{Y}$	WILD	LD	FE	DE	TERRE	NT	S I	INS	PEC	CTIC	ON	LOG	SHEET	
Insp	ection							Sta	tus of Deter	rent	Syste	ms					· · · · · · · · · · · · · · · · · · ·	
Date	Time	(ncing in Good ndition?	Ol incl	getation kay (< 6 nes high; uttings)?	Оp	Cann erat (Y/N	ing?	At Least Eight (8) Balloons Inflated?	of	ting l Hole: Saps?	s or	(A	ar Rib pril, M ept Or	Iay, A	Y/N)	At Least One (1) Air Dancer Operating?	Inspector (Initials)
		Y/N	Location (if N)	Y/N	Location (if N)	P	s	D	Y/N	EL	WL	P	P	S	D	W PF ²	Y/N	
7/1	9:00 AM	Ý	N	Y	N	ý	y	Y	y	У	y	<u>y</u>	NA	nA	NA	NA	Y	De
2/25	1200pm	Ý	Y N Y N				¥	У	ý	У	Y	4	NA	NA	NA	NA	У	(V)
1.	9:00 AM	, Y	Y N Y N				4	4	4	Y	Y	4	NA	NA	M	ntt	. ¥	10
2/26	1:00m	У	YNYN				У	4	S	Y	4	4	M	NA	NA	NA	Ý	RA
0/-2	9:00m	Ý	YNYN YNYN		4	У	У	ý	ý	Ý	y	NA	NA	M	NA	<i>Y</i>	THE	
461	1:00pm	У	N	4	1	¥	У	У	4	Ý	Y	y	NA	NA	NA	M	ý_	A
2/	9:00 AM	Ý	1	7	N	Y	Y	Ý	7	Y	Y	4	NA	NA	NA	A	1	J.
723	1:00 PM	7	X	-7	N	7	7	Y		7	Ý	1	MA	NA	NA	NA	7	
				,					(
											<u></u>							

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			SRWV	WTP D	AILY	OIL MANAGEMENT INSPEC	CTION I	OG SHEET	
Insp	ection	1	recoverable ng skimmer			If recoverable oil is not within reach of an operating skimmer	Is oil removal	If N in previous column, Location &	
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")	equipment off ground?	Response Action Taken (Otherwise enter "N")	Inspector (Initials)
_ /.	9:00 AM	Y	4	NA	NA	N,	4	$\mathcal{N}_{\mathcal{I}}$	R
2/)	1:00 PM	Ý	У	MA	M	N	Y	\mathcal{N}	R
7/-	9:00 AM	y	ý	NA	WA	N	4	N	
6/6	1:00 PM	4	Y	MA	NA	N	¥		R
2/2	9:00 AM	<u> </u>	Ý	NA	NA	N	Ÿ	N	R
6/3	PM	Y	У	1A	NA	N	Ý	N	K
2-/	J. W. AM	7	7	NA	NA	N	7	N	此
/ 03		7	7	NA	MA	N		N	世
2/	Jan 4M		<u> </u>	MA	41	7/2	4	N	1
05	1,00 DW		Y	NH	XX	Ν	7	Ν	T
7/	9:00 Am	7	<u> </u>	NH	NA	N	7	Ν	M.
206	1,00 bu	7		NA	NA	Ν	1	N	- W
	9:00 Am	1	Y	NA	NA	N	7	N	W L
\ \tag{\bar{c}}	Looby	7	7	NA	NA	N	7	N	
7/0	9:00AM	4	Y	NA	NA	\mathcal{N}	Ý	N	10
2/8	1:00 PM	Y	Y	M	WA	N	4	N	RO
26	9:00 AM	4	4	NA	NA	\mathcal{N}	Ý	\mathcal{N}_{i}	K
411	1:00pm	4	<u> </u>	NA	M	<i>N</i>	4	\wedge	R

¹ If no recoverable oil is present, enter Not Applicable (NA).

FORM SRWWTP 1.01

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET All recoverable oil in reach of If recoverable oil is not within reach of an Is oil Inspection operating skimmer? (Y or N or NA1) operating skimmer . . . removal If N in previous column, Location & Inspector equipment Response Action Taken Specific Location & Response Action To Be (Initials) Primary Secondary Sludge Diked Time off (Otherwise enter "N") Date Taken 2 (Otherwise enter "N") Lagoon Lagoon Lagoon **Ponds** ground? 9:00 1:00pm 9:00 AM :00pm MA M 000 ∞ Am 00) :00PM 9:00 AM 1:00 PM 9:00 AM HOCAM 9:00 AM

FORM SRWWTP 1.01

¹ If no recoverable oil is present, enter Not Applicable (NA).

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· ·	*		SRWV	VTP D	AILY	OIL MANAGEMENT INSPEC	CTION L	OG SHEET	
Insp	ection		recoverable ng skimmer			If recoverable oil is not within reach of an operating skimmer	Is oil removal	If N in previous column, Location &	Tuguesste
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")	equipment off ground?	Response Action Taken (Otherwise enter "N")	Inspector (Initials)
- 110	9:00 _{AM}	У	4	NA	NA	\mathcal{N}_{-}	4	\mathcal{N}	RC
2/19	1:00pm	Ý	Ÿ	NA	NA		Y	n	R
2/2	J.oo Am	4	4	M	NA	N	Y	<u> </u>	M
<u> </u>	1,00 DW	4	4	AL	ALI	N	4	N	The
2/	J:00 TW	1	1	AM	NA	N	Ý	N	女
(2)	1:00 PM		Y	NA	HK	N	7	N	
200	1:00 AM		7	NA	AA	N	Y	N	4
/ holo	1100 M	7	<i>y</i>	NA	NA	N	l Y		
1/02	J. 20 YW			AK	Nt	N	M	N	1
/ W	1:00 DW	7	Y	NA	NA	N	1	N	
2/24	9:00 AM	<u> Ý</u>	4	NA	NA	\mathcal{N}	4		50
,	1:00pm	Y	Y	MA	NA	\mathcal{N}	Y	<i></i>	
7./25	9:00 AM	<u> </u>	Y	NA	NA	N	Y	N	
	1:00pm	<u> </u>	<u> </u>	n/A	NA	\sim	Ý	N	X
2/26	9:00 AM	- Y, -	4	NA	NA	<i>N</i>	4	\mathcal{N}	000
1 1	1:00 PM	-	<u> </u>	NA	NA	$\mathcal{N}_{\mathcal{I}}$	<i>y</i>	ν,	
2/27	9:00 AM	<u> </u>	4	NA	MA	\mathcal{N}	- 4	N	
- 101	1:00 PM	4	¥	NA	NA	\mathcal{N}	4	$\mathcal{N}_{}$	4

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

,			SRWV	VTP D	AILY	OIL MANAGEMENT INSPEC	CTION I	OG SHEET	
Insp	ection	1	recoverable ng skimmer			If recoverable oil is not within reach of an operating skimmer	Is oil removal	If N in previous column, Location &	·
Date	Time	Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")	equipment off ground?	-	Inspector (Initials)
2	M C00; P	7	Y	M	NA	N	Y	λ	#
28	1,00 blus	1		NA	NA	N	7	N	D
			VARIABLE .						
				į					
					- 1		i		

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).



February 14, 2014

Via Certified Mail - Return Receipt Requested

Diane M. Sharrow (LR-8J) Enforcement Officer RCRA Branch Land and Chemicals Division U.S. EPA, Region 5 77 West Jackson Boulevard Chicago, IL 60604-3590

Subject: January 2014 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant

('SRWWTP')

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The January monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. The report contains the January operators' inspection logs. No wildlife was potentially exposed in the month of January.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,

James E. Earl, Manager Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ

US Fish & Wildlife, Ann Arbor Office



CONTINUING EMERGENCY MEASURES

THE MONTHLY PROGRESS REPORT FOR January 2014

SCHAEFER ROAD WASTE WATER TREATMENT PLANT SEVERSTAL DEARBORN, LLC

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES MONTHLY PROGRESS REPORT SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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2.0 Activities for the Period	1
3.0 Inspection Findings	1
4.0 Evaluation	1,2
5.0 Oil Removal and Disposal	2
Inspection Summary and Report Sheets	Appendix A
Oil Hauling Manifests	Appendix B

CONTINUING EMERGENCY MEASURES MONTHLY PROGRESS REPORT SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period January 1 through January 31, 2014. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. In the month of January, the air dancers didn't operate for a couple days due to cold and windy weather. However, daily inspections show very low activities observed throughout the area, and we believe that the non-working air dancers didn't affect the operation of the wildlife deterrent systems. Also, no repetitive use of the treatment ponds and lagoons was observed in the January inspections.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in January. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. Is all recoverable oil captured within containment areas at the end of each workday? Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured

within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed by vacuum truck.

- 2. Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact? No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by vacuum truck.
- 3. Is all soil with visible oil contamination covered to prevent wildlife direct contact? Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
- 4. Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan? The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place. Propane cannons operated properly in January 2014. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
- 5. Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence? In January, there was no observation of significant wildlife activities within the SRWWTP fence. Activities within SRWWTP fence are summarized in Appendix A.
- 6. Are required and specified materials and equipment on hand and in usable condition or properly deployed? As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

6,000 gallons of oil-water mixture were hauled off-site in the month of January 2014. Copies of the manifests for the loads are in Appendix B.

APPENDIX A

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

SUMMARY OF WILDLIFE ACTIVITY LOG

Inspections	Bird Observations	Interest Shown	Adjacent	Flying Over	Elsewhere	Interest Shown Location	Number of Horn Blasts	Exposed?	Carcass?	Result
103	132	0	4	71	57	NA	141	No		Flew or ran away on their own and after horn blasts.

*During dawn to dusk inspections Interest Shown: In or On the Ponds

Adjacent: to within 5 feet of water edge or surface

Elsewhere: On the ground or structure, or in tree >5 from water

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

I	Fence	Vegetation	Cannon	Scary	Netting	Mylar	
	Breach	(>6 inches	Operating	Balloons	Holes or	Bibbons	Air Dancer Operating?
	None	No	Yes	Yes	No	INA	Yes. Except for a couple snow or windy days

SUMMARY OF DAILY OIL MANAGEMENT LOG

		If Recoverable Oil Not		A.440°	
Not Capture		reach of an operating			
Skimmers)	•	skimmers	Oil Man	agement	
			Oil	If Not.	
Primary	Secondary		equipment	Response	
Lagoon	Lagoon	Speccific Location	off Ground	Action	Comments
0	0	NA	Yes	INIA	Oil not captured by skimmers is removed frequently by vacuum truck.

			SR	WWTP - WILD	LIFE ACTIV	TTY LO	O G			
Date 2014	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed 3 (i.e., Oiled)	Carcass ⁴	Inspector (Initials)
1/1	9:00 AN	mourning DOVE	18	SL(S)P D B	1 A 6 E	0	FIEW ANAY	N	N	14
1/1	9:43 AM	American Robin	6	SL S P (B) B	I A (O) E	0	FIEW AWAY	N	N	RC
1/1	9:45AM	Great blue Heron	1	SL S P D (B)	I A O (E)	3	FIEW AWAY	N	N	R
1/1	9:55 AM	RING BILLED GULL	1	SL) S P D B	I A 🛈 E	0	FIEW AWAY	N	N	RC
1/1	3:20pm	CANADA GODSE	28	SL(S)PDB	I A (Ô) E	0	FIEW AWAY	N	N,	800
1/2	10:03 AM	CANADA GOOSE	6	SLS PDB	I A 🛈 E	0	FIEW AUNY	N	N	10
1-3	15:01 BM	CANADA GOOSE	00 (SL (S) P(D) B	1 A (O) E	0	Altw Away	λ	Ü	The state of
	3°COPM	LANGOA GOOSE	20	SL (S)P D B	I A (O)E	\circ	Thoughtural F	N	N	3
1-4	SOOM	GREAT BLUE HEROX		(SL)SPDB	IAO)E	2	FIEW HWAY	N	X	74
1-14	9 × 1/1	CANADA GOOSE	100	SL SP D B	IAÔE	0	+LEWAWAY	N	1/	7
1-4	1:00 DW	RING BILLEN GUIL	1	Sty SPDB	I A(O) E	0	FLEW Awing	N	1	<u> </u>
1-4	P.300M	RAbbit	Ì	SL S P D B	IAOE) (RAW AWAY	N	N	10
1-5	8:30Am	CANADA GOOSE	OS	SL (SP)(D) B	I A O E	0	FLEW AWAY	N	N	<u> </u>
1-5	9:00Aw	CANADA GOOSE 150	56	SL (S) (P) OD B	1 A (O)E	Ô	FLEW AWAY	\mathcal{N}	N	
1-5	1:00pm	CANADA GOOSE	1	SL S P D B	I A OE	\circ	FLEW AWAY	N	N	1
1-5	6º00PM	PILEON	2	SL S P D	I A O (Ê)	3	JUST SAT THERE	N	2	が
1-6	9.00 AM	SPARROW		SL S/P D B	I A 6 E		FLEW AWAY	N	N	M
1-10	1:00PM	2 first bow	Ĺ	SL(S)PDB	I A O E	0	Flew dury	N	N	1
1-6	1 :00 AN	JPARROW.	3	SL S(P) D B	I A OE	0	FLEW AWAY	N	N	
1/2	8:28 Am	MOUTAING NOVE	5	SL (S) P D B	I A (б) Е	0	FIEW AWAY	N	n	
1/,7	8:41 AM	MOUMING DOVE	6	SL SPDB	I A Ø E	0	FIEW AWAY	N_{\perp}	\mathcal{N}_{i}	
1/7	4.13AM	SPARROW	1	SL S PD B	IAOE	3	FIEW AWAY	N	N	K

 $^{^{1}}$ SL = Studge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree > 5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

			SR	WWTP - WILD	LIFE ACTIV	ITY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
1/7	1:14 pm	Northern Hamer	1	(SI) S P D B	1 A @ E	0	FLEW AWAY	N	N	R
1/7	5:06	SARROW	2	sls/P) dB	IAOE	3	FIELD AWAY	N	N	
1/8	8:15 AM	SPARROW	2	SL S PD B	I A O (E)	2	FIEW AWAY	N	-N	R
118	18.23m	Rina Billen Gull	2	SL (S) P D B	I A 🛈 E	0	FIEW AWAY	1)	1/	R
1/8	9:05 AM	Great bluE HERON	1	SL S P D (B)	IAOE	0	FIEW AWAY	N	N	Re
[]/8[92/8AM	MAUMING DOWN	6	SL) S P D B	I A 🕥 E	0	FIFTH AWAY	N	N	Re
1/8	5:13pm	American Robin	1	SL(S)P D B	I A O (E)	1	FIEW AWAY	N	N	
1/9	8:07 M	SPARROW	5	SL SPD B	I A O E	У	FIEW AWAY	N_	N	150
1/9	9:08 AM	SPARROW)	2	SL S(P)D B	I A O E	1	FIFEN AWAY	N	Δ	15
1/9	5:05 PM	CANADA GOOSE	10	SL(S)P D B	I А Ó Е	0	FIEW AWAY	\mathcal{N}	N	K
1/10	7:55AM	AMERICAN Robin	1	SL S P D B	1 A 🛈 E	0	FIEW AWAY	N	Δ	190
1/10	18:50 AM	CANADA GOOSE	35	SL (S) P D B	1 A O E	0	FIEW AWAY	N	1	
1/10	9:44	Great blue Heron	3	SL S P D (B)	I AO E	1	FIEW AWAY	n)	N	10
1/10	9:47AM	Ring BillED Gull	1	SL S(P)D B	1 A () E	0	FIEW AWAY	N	n/	
1/15	12:3 Am	northern HAMIE	1	SL(S)P D B	1 A O E	0	HEW AWAY	N	N	
1/10	SUSPM	Great blue Heron	2	SL(S) P D B	I A O E	2	FIEW AWAY	n		8
1/11	7:58M	AMENTAN ROBIN	3	SL SPD B	I A O (E)	.2	FIEW AWAY	N	N	M
1/11	1:09pm	Ring RillED Gull	1	SL SPDB	I A O E	0	FIEW AWAY	N	N	Re
1/11	5:17pm	RING BILLED GUIL	1	SL S(P)D B	I A O E	0	FIEW AWAY	N	N	A
	8100Am	AMERICAN BLACK DUCK	6	SL (S)P) D B	1 A (Ô) E	D	THUM AWAY	173	\mathcal{N}	777
1-12	Jiso YM	A GREAT BLUE HERON	j	(\$L)SPDB	$I A O(\widehat{E})$	2	FLEW AWAY	N	N	<u> </u>
1-12	1.00 Pm	A MERICAN ROBIN	3	SL S P D/B	I A O(E)	2	YEW AWAY	N	\mathcal{N}	at

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

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			SR	WWTP - WILD	LIFE ACTIV	TTY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴	Inspector (Initials)
1-12	19.00 BM	AMERICAN KODIN	7	SL S P D(B)	I A O(E)	0	Flew Away	N	N	一人
	8:00 AM	CHUMDH GOOSE	3C	SL(S)PDB	I A (O) E	0	FIEW AWAY	N	N	女
1-13	8:30/14	CANADA GOOSE	6	SL S P(D) B	I A (O) E	0	FLEW ALLY	N	N	74
1-13	10:38	Duck	Ň	SL(S)P D B	I A O E	0	FLEW AWAY	N	Ν	The
1-13	3,3064	GREAT BLUE HERON		(SL) S P D B	1 A 6 E	0	HEW TWHY	N	N	T
1-13	7.00 DW	RABBIT	1	SL S(P)D B	I A O(E)		ZAN AWAY	N	17	17
1-14	8,00 M	RED WINGED BLACKBIN	<u>101</u>	SL S PDB	I A O E	(FLEW KWAY	N	N	N.
1-14	1,00/m	GREAT BLE HERON	7	(SL) S P D B	I A(O) E	2	FIEW AWAY	N	N	77
1-14	Loopin	AMERICAN ROBIN	3	SL S P D B	I A O(E)	2	FLEW AWAY	N	λ	
1-14	7 20PM	RAbbit	1	SL SPD B	I A O (E)	ì	RAN AWAY	N	Λ	
1-14	6 CORM	RADON		SL S P(D)B	IAO(E)	1	RAW AWAY	7	Ü	
· / / · · ·	7:53m	Great blue Heron	3	SL S P D B	1 A 🛈 E	\Box	FIEW AWAY	N	N	100
4712	8:02 AM	CAMADA GOSES	23	SL) S P D B	I A Ô E	0	FIEW AWAY	N	N	RO
	8.25m	Ring billes bull	1	SL S(P)D B	I А 🗑 Е	0	FLEW AWAY	N	\mathcal{N}	RO
1/15	1:07M	Rine Billen Gull	1	SL S/P)D B	1 A (O) E	0	FIEW AWAY	N	\mathcal{N}	P
2/15	Sicopm	AMERICAN ROBIN	5	SL SPD B	I A O E	4	FLEW AWAY	\mathcal{N}_{-}	رم	19
1/16	8:02 AM	Ring Billers Gull	1	SL SP D B	1 A 6 E	D	FIEW AWAY	N	1	04
1/16	8106 AM	MOUMING DOVE	2	SL SPD B	I A Ô E	0	FIEW AWAY	\mathcal{N}	1	19
1/16	8:20 AM	MOURAING DOVE	2	SL S P D B	I A (0) E	0	FIEW AWAY	N	\mathcal{N}	KE
1/16	920 AM	SPARROW	11	SL S P(D)B	I A O (E)	3	FIEW AWAY	N	1/	RO
1/16	10:35 M	SPARROW	2	SL S(P) D B	I A O (È)	1	FIEWAWAY	N	N	17
1/16	1:00 pm	CMADA GOOSE	77	SL S PDB	I A (O) E	0	FLEW AWAY	n	N	

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			SR	WWTP - WILD	LIFE ACTIV	ITY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
1/16	5:17 _{PM}	AMERICAN RobiN	5	SL S P D B	I A O (E)	2	FIEW AWAY	N	N	RC
2/17	8:36 pm	CANANA GOOSE	10	SL SPDB	I A O E	0	FLEW AWAY	N_	N	14
1/17	8:43 _{AM}	CANADA GOOSE	56	SL 🕃 P D B	I A O E	0	FIEW AWAY	N	N	R
	8:50 AM	CANADA GOOSE	25	SL (S) P D B	I A O E	0	FIEW ALLAY	N	N	14
	B:SZ AM	Northern HAME	1	SL S (P) D B	I A 🕟 E	0	FIEW AWAY	N	1)	140
	4:00	CAMADA GOOSE	97	SL(S)P D B	I A O E	0	FIEW AWAY	\mathcal{N}	1	K
1/17	5:28m	SPARROW	5	SL S P D B		3	FLEW AWAY	N	N	J.C
1./18	8:36m	Marning DOVE	11	(SL) SPDB	I A ① E	0	FIELD AWAY	N	N.	
1/18	9:11 AM	Great bluf Heron	2	SLSP (D) B	I A (O) E	0	FIEW AWAY	N	/n/	
	Si2/AM	SPARRIXU	1	SL SPD B	I A O (E)	1	FLEIN AWAY	N	N	KO
1-19	M CO	GREAT BLUE HERON	2	SL S P(D) B	I A (O) E	3	FLEW AWAY!	Z	\mathcal{N}	<u>Jt</u>
	S:XM	bek	2	SL(S)P D B	I A (O)E	7	FLEW AWAY	7	2	7
1-19	Soopin	WEAT JULE HERON	1	(SL) S P D B	I A (O) E	ľ	FLEW KWAY	77	7	T.
1-19 1	600pm	MARK T	2	SL S P/DB	I A O (E) 1	RAW AWAY	7	N	7
1-20 3	8:00 Am	Gull		SL/S P D B	I A O E	2	FLEW AWAY	\mathcal{N}	N	D#_
1-2018	8100 JM	SPARROW		SL S(P)D B	I A O (E)		FLEW AWAY	N	\mathcal{N}	
1-20	600 PM	SPARAOW	2	SL S(P) D B	I A O(E)	ĺ	FLEW AWAY	N	N	7
	3,00 YM	SPARROW		SL S(P)D B	IAOŒ	6	FLEW AWAY	N	$-\mathcal{N}$	*
1-21	P100bu	GLEAT BLUE HERON	2	SL S P(D)B	I A O (E	Ó	STAND TOGETHER	N	N	
1.27 8	5;00/W	GREAT BLUE HERON	79	SL S P (D)B	I A O(E)	2	MEW ANDY	N	N	* A
1-22 1	PioofW	CHANDA GOOSE	70	SL(S)P D B	I A O E	0	FLEW AWAY	N	N	The state of the s
1-221	11:00 AV	SARROW	17	SL S(P)D B	IAOÉ	7	TEW AWAY	N	N	T

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

FORM SRWWTP 1.03

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			SR	WWTP - WILD	LIFE ACTIV	TTY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
1-22	1:00 P.K	+/AWY	7	SL S P D B	I A O (E	7	FLEW LWAY	N	N	
1-77	1:00 PM	ITREAT PLUE AFRON	5	SL S P (D)B	I A O (E	\circ	STANDING	1	<u> </u>	
1-22	1,00 bW	SPARZOW	7	SL S(P)D B	I A O (E	. 2	FLEW AWAY	1	N'	<u>H</u>
: 27	ToobW	GREAT BLUE HERON	5	SL S P/D\B	I A O (Ê	. 7	STANDING	N	\mathcal{M}	<u>M</u>
1/23	8'37AM	GREAT blue HERON	1	SL S P D B	I A O E	\mathcal{O}	FIEW AWAY	N_{i}	N	RO
1/23	9:18AM	Goat blue Heron	9	SL S P D (B)	I A O (E)	S	FIEW AWAY	\mathcal{N}_{\perp}	1	
1/23	5:17 pm	CANADA GOOSE	29	SL SP D B	1 A (1) E	0	FIEW AWAY	N	N.	12
1/27	5:32 pm	CANADA GOOSE	8	SL(S)P D B	I A O E	0	FIEW AWAY	\mathcal{N}_{\perp}	1	160
1/24	8:05 AM	RING BILLED GULL	1	SL S P D B	1 A (0) E	0	FIEW AWAY	N	1	150
1/24	8:22	Great blue Heron	1	SL S P D B	IAOE	0	FIEW AWAY	N	N	14
1/24	8:25 AM	Ring BillED Gull	1	SL(S)P D B	I A OE	0	FIEW AWAY	N	Δ	RE
1/24	9:19m	Great blue Iteran	5	SL S P D B	I A O (E)	4	FIEW AWAY	1	1)	R
1/24	5134 pm	AMERICAN ROBIN	1	SL S P D B	1 A (O) E	O	FIEWAWAY	N	\mathcal{N}	Back
1/25	3:23 AM	Ring BillED Gull	3	SLS PDB	1 A (O) E	O	FIEWAWAY	N	N	(140
1/25	9.08 _{AM}	Great blue Heron	4	SLSPD(B)	I A O E	3	FIEW AWAY	N.	$\mathcal N$	12
1/25	6.50 BM	RING BILLED GULL	ス	SL S P D B	I A O E	0	FIEW AWAY	N	1)	100
1/25	5:18pm	CANADA GOOSE	27	SL(S)PDB	I A O E	0	FIEW AWAY	\mathcal{N}	N	FC
1125	5:33	CANADA GOOSE	5	SL(S)PDB	IAOE	\circ	FIEW AWAY	$n/\sqrt{2}$	A	E
1/26	9:14 AM	Great blue Heron	1	SLSPD(B)	I A O (E)	1	FIEWAWAY	N	N	100
1/26	5:24pm	AMERICAN ROBIN	5	SL S/P) D B	1 A (6) E	0	FIGU AWAY	N	N	R
1-27	&;∞AM	RING BILLED FULL		ŜL S P D B	I A O E	0	FLEW, AWAY	\mathcal{N}	\mathcal{N}	M.
1-27	11:00/11	SPARROW	121	SL S P D(B)	I A O (E	3	FLEW AWAY	X	\mathcal{N}	M

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree > 5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG										
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
1-27	A OUPM	SPARROW	1	SL S P D(B)	I A O(E)	3	TRW AWAY	λ	7	24
1-27	1:00 DW	SIARROW	3	SL S P (D B	I A O (E	2	FLEW AWAY	\mathcal{N}	2	
1-28	8,00,41	Callana -	2	SL S(P)D B	I A O (E)	2	FLEW KWAY	N	2	<u>X</u>
1-78	$O_{\infty}V$	RING BILLED GULL	2	(SL) S P D B	I A O (E	0	FLEW AWAY	N	7	M
1-28	12:01 PA	1 SPARROW	1Z	SL S P D(B	I A O(E		FLEW AWAY	N	Ŋ	7
1-28	7,00 bW	STARROW	h	SL S(P)D B	IAOÉ	2	Flew Andy	\mathcal{N}	V	4
1-78	6.00 PM	Tradbait	1	(SL) S P D B	I A O		RAN WHY	N	N_	
	Sicol	SPARROW	3	SL SPD B	I A O(E)	3	Thew hway	7	<u>\</u> _	
1-29	10 100) MY	Duck	0	SL s(P) D B	I A(O) E	\mathcal{O}	Flaw Away	7	7	<u>u</u>
1-29	7 orbar	SOARROW	1	SLSPD(B	I A O(E)	3	FIEW KWAY	N	N	
1-29	1:1< 6M	RAbbit	<u> </u>	SL S P(D)B	I A O (È)	١	RAW AWAY	7	N	<u>83</u> (
1-29	7:30pm	TRANDIT	1	(SL) S P D B	I A O(E)	\	HOPPED AWAY	\mathcal{N}	N	1
	$8^{\infty}A_{M}$	SARROW	8	SL S(P)D(B)	I A O(E)	2	FLEW AWAY	N	N	The state of the s
1-30	11.00 AM	SPAPROW	0	SL S(P)D B	I A O(E)	_ Z	FLEW AWAY	7	N	t/s
	#,∞bM	SPARLOW	8	SL S(P)D B	I A O(E)	2	FLOW AWAY	\mathcal{N}		1
1/3/	8:34 AM	RING BILLED GUIL	1	SL S(P)D B	I A (D) E	Ò	FIEW AWAY	N	N	
	9:24AM	CANANA GOOSE		SLSPD(B)	1 A 🕝 E	0	FIEW AWAY	N	A	
1/3/	9:26AM	Great blue Heron	山	SLSPD(B)	1 A 🕡 E	0	FIEW AWAY	N	$\mathcal{A}_{\mathcal{A}}$	
1/31	12:00 PM	Great blue Heron		SL/S/P D B	IAOE	Ŏ	HEW AWAY	N,	1/	K
1/3)	12:58m	Great blue Heron		SL (S) P D B	IAOE	کے	FIEW ALLAY	\mathcal{N}	Δ	
	1:00pm	Great blue Iteran	1	SL(Š)P D B	I A O (E)	2	FIEW AWAY	N	N	R
1/3)	Z:05pM	Great blue Heron		SL(S) P D B	1 (A) O E	Ч	FIEW AWAY	N		Æ

 $^{^{1}}$ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree > 5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

	SRWV	VT]	P DAII	$\mathbf{L}\mathbf{Y}$	WILD]	LIJ	FE	DE	TERRE	NT	S I	NS	PEC	CTIC	N	LOG	SHEET		
Insp Date	Time	l	ncing in Good ndition?	Ol incl	getation (ay (< 6 nes high; uttings)?	Оp	Cannerat (Y/N	on ing?	tus of Deter At Least Eight (8) Balloons Inflated?	Net of	Syste ting I Holes Saps?	Free s or	(A)	ar Rib oril, M	lay, A	Y/N)	At Least One (1) Air Dancer Operating?	Inspector (Initials)	
2014		Y/N	Location (if N)	Y/N	Location (if N)	P	s	D	Y/N	EL	WL	P	P	s	D	W PF ²	Y/N	-7-7	
$\frac{1}{1}$	9:00 AM	4	N	Y	N	<u> </u>	4	4	<u> </u>	4	4	4	NA	MA	NA	M	<u> </u>	M.	
1/1	1:00 PM	4	N	Y	N	Y	Y	4	Ý	Y	4	Y	NA	NA	NA	NA		A-C	
1/2	9:00 AM	4	N	4	N	4	Y	Ý	4	4	Y	4	NA	1 7 7		NA	<u> </u>	f	
110	1200pm	4	N	4	N	4	Ý.	Y	4	Y	Y	1/	MA	NA	nA	MA	<u> </u>	()	
01/	Jos JM	7	N	7	N	7	7	7		7	<u> </u>	7	Nt	NK	Nt	NA			
<u>/ 03</u>	1.00 DW	7	N	7	N	Y	Y	Y	7	Y	7	7	NF	NK	MA	M	1		
01/	9 m 7 m	7	7	1	N	7	Y	1	7	1	7	4	<u>M</u>	 	NA	NA		44	
104		7	7	7	N	1	7	7	7	4	Y	Y	NK	NA	NA	NA		3	וו כיו
01/	diog YM	7	7	7	2	1	7	7		1	Y	7	NA	NA	MA	NA	Ņ	#	2NC 1511
<u>/ 05</u>	1:00 BW	7	7	7	2	7	Y	7	7	7	Y	1	Not	NF	NA	NA	N	Dt.	7 <i>∞</i> 2
ران	9:00 YM	7	2	7	N	Y	7	Y	<u> </u>	1	Y	1	MA	M	Nh	NH	N	16	انت
106	1:00 BW	7	7	4	7	7	Y	7	Y	T	Y	7	W	M	W	NX	7		
1/7	9:00 AM	Y	N	4	N	4	Y	4	<u> </u>	7	Y	4	NA	M	NA	NA	4	14	
, .	1:08m	Y	\mathcal{N}	Y	N	<u>Y</u>	4	4	4	Ÿ	Ÿ	У	'nА	ΝA	M	NA	<i>y</i>	16	
1/8	9:00 AM	Y	\mathcal{N}	Ý_	N_{i}	4_	4	4	<u>'</u> Y	¥	Ý	4	NA	NA	NA	NA	<u> </u>	H	
110	1:00 pm	Ý	Ň	Y	N	У	Ý	У	Ý	¥	Y	Y	M	NA	WA	NA	<i>y</i>	A	

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

REVISION DATE: 5/14/2013

	SRWV	VTI	P DAII	LY	WILD]	LIJ	Æ	DE	TERRE	IN	S I	NS	PEC	CTIC	ON	LOG	SHEET	
Insp	ection		***					Sta	tus of Deter	rent	Syste	ms						
Date	Time		ncing in Good ndition?	Ol incl	getation cay (< 6 nes high; uttings)?	Оp	Canne erati (Y/N	ing?	At Least Eight (8) Balloons Inflated?	of	ting l Holes	sor	(AI		Iay, A	**	At Least One (1) Air Dancer Operating?	Inspector (Initials)
		Y/N	Location (if N)	Y/N	Location (if N)	P	s	D	Y/N	EL	WL	P	P	S	D	W PF ²	Y/N	
1/2	9:00 AM	y	\sim	4	7	Y	4	Ý	4	/	y	4	NA	NA	NA	M	У	04
1/9	1500pm	Y	$\sqrt{}$	Ý	\sim	¥	Ý	V	4	4	¥	4	MA	MA	NA	NA	7_	
, ,	9:00 AM	Ý	N	y	N	1	4	4	4	Ý	4	Ý	NA	WA	NA	NA	4	K
1/10	1:00pm	4	N	4	λ	7	Ý	Ý	4	Ý	ý	V	NA	MA	NA	MA	4	R
1/	9:00 AM	Ý	N	Y	N	Y	Y	Ý	Ý	ý	Ÿ	4	NA	nA	NA	NA	9	JE .
1/11	1:00 pm	Y	N	Y	N	Y	Ý	Ý	Ý	Ÿ	Ý	4	NA	WA	nA	WA	4	R
1/	1000 YW	7	7	Y	7	7	Ý	4	_ Y	Ý	Y	4	NA	NA	NA	NA	<u> </u>	31
12	1:00 PW	7	7	7	7	7	1	Y	M		7	7	NA	NA	M	MA		#
1/	4.∞ AM	7	7	7	7	7	7	7	Ÿ	7	7	7	NX	M	NA	NH	Y	7
/13	100 PM	7	7	7	2	Ż	Y	7	7	Ý	Y	7	NH	MA	NX	NA	+	Dt
1/	9:00Am	4	2	7	7	7	7	7	Y	¥	Y	Y	AL	NH	NA	NA	7	业
14	1:00 PM	7	7	7	7	7	Y	Y	Ì	Ý	Y	¥	NH	NA	M	NA	<u> </u>	bt
, 1, ,	9:00 AM	У	N	Y	N	Y	4	7	y	У	Y	4	NA	WA	n/A	NA	¥	Re
1/15	1:00M	ý	\mathcal{N}	Y	\mathcal{N}	y	Ý	Y	Ý		Ý	Ý	NA	NA	WA	NA	Y	RO
1/11	9:00 Am	Ý	N	Ý	N	Ý	Ý	4	4	Ý	4	4	NA	NA	NA	WH	· Y	
1/16	1:00pm	4	N	Ÿ	N	Ý	Y	\bigvee	Ý	4	Ý	Ý.	NA	NA	M	WA	У	9

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

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NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

REVISION DATE: 5/14/2013

	SRWV	VT	P DAII	LY	WILD	LIJ	FE						PEC	CTIC	ON	LOG	SHEET	
Insp Date	Time		ncing in Good ndition?	Ol- incl	getation kay (< 6 les high; uttings)?	Op	Cann erat (Y/N	on ing?	tus of Deter At Least Eight (8) Balloons Inflated?	Net of	Syste ting l Holes Saps?	Free s or	(A _I		Iay, A		At Least One (1) Air Dancer Operating?	Inspector (Initials)
		Y/N	Location (if N)	Y/N	Location (if N)	P	s	D	Y/N	EL	WL	P	P	s	D	W PF ²	Y/N	
. /	9:00 AM	Y	N.	Y	N	Y	Y	4	Y	Y	y	Y	MA	NA	NA	NA	Ý	R
1/17	1:08 pm	Y	\mathcal{N}	ý	N	У	Ý	У	У	4	y_	'y	NA	MA	r/A	NA	Y	PC
1/10	9:00 AM	Y	_n/_	4	N	4	ý	Ý	<u>'</u> Y	Ý	Ý	Ý	MA	NA	NA	NA	<u> </u>	1
1/18	1:00pm	Ý	N	7	N	Y	У	У	ý	¥	4	У	nA	MA	NA	NA	Ý	K
1/	dio you	7	7	Ÿ	Z	7	7	7	Y	1	7	1	ŊŁ	NA	NA	NA		A
19	Loo DW	7	1)	7	7	7	7	7	4	Y	7	7	MA	ALK	NA	NIE	<u> </u>	<u> </u>
1/	Air AM	7	7	7	7	7	Y	Y	7	7	7	7	1/A	MA	NA	NX		#
/ 20	1:00 bl	7	7	7	N	7	1	7	Y	7	Y	7	NA		NA	MA	Ü	
1/	J.00 YW	7	N	7	1	7	1	4	Υ,	1	Ϋ́	7	NY	NH	NA	NA		女
/ 21	1,00 bu	7	Z	1	N	Y	Y	Y	4	¥	Y	7	M	NA	Not	NA		
1/	J. W. AM	7	7	7	N	7	1	4	7	1	7	7	NA	AA	NA		7	#
<u>/ 22</u>	Loope	4	N	7	14	Y	4	7	Å	7	4	1	NX	NA	NA	NA	7	
1/23	9:00 AM	y	N	У	N	¥	4	Y	<u> </u>	4	Ψ	1 1	NA	NA	NA	NA	<u> </u>	KK
110	1:00pm	y	N	У	N	Y	Y	Y	Y	Y	Y	Y	M	nA	nA	NA	<u> </u>	1
1/20	9:00 AM	Y	N,	4	N	Ý	Ý	Ý	<u> </u>	4	4	4	NA		NA	NA	Y	15
1/0	1:00pm	Y	N_{\perp}	Y	N_{\perp}	Ý	Ÿ	V/	<u> </u>	Y	У	y	NA	NA	nA	-NA-	4	#

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

	SRWV	VTI	TP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET Status of Deterrent Systems													SHEET		
Insp	ection					-		Sta	tus of Deter	rent	Syste	ms						
Date	Time		ncing in Good ndition?	Ol incl	getation kay (< 6 hes high; uttings)?	Оp	Cann erati (Y/N	ing?	At Least Eight (8) Balloons Inflated?	of	ting l Holes		(A _I		Iay, A		At Least One (1) Air Dancer Operating?	Inspector (Initials)
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²	Y/N	
1/20	9:09M	Y	N	Y	N	4	4	Y	Y	4	Y	4	NA	NA	NA	-NA	У	160
1/63	1:09M	Y	N	Y	N	Y	У	Y	4	4	Y	Y	NA	MA	nA	MA	<u> </u>	OF
1/2/	9:00 AM	Y	N	Ý	N	Ý	ý	4	<u> </u>	Y	4	4	NA	NA	NA	NA	4	
1166	1:00 PM	Ý	Λ	4	N	¥	4	Ý	<u> </u>	Y	Y	y	NA	NA	NA	NA	Ý	
1	d:or YW	7	7	V	N	1	1	1	7	Ź	1	Y	NH	NA	NH	NA	4	
/27	Loo SW	7	2	7	N	Ž	Ý	Y	Y	7	Ÿ	7	NA	M	M	NA_	<u> </u>	M
1	J.00 J.M	7	7	7	7	7	X	7	7	4	7	Y	Nik	NA	NY	NA	4'	_th_
/28	1,00 b.W	7	7	7	7	Ý	Ť	Y	Ÿ	Ž	7	7	NX	NA	NA	AK	Ý	_#
1	J:00 AM	7	7	7	2	7	7	Ý	¥	7	Ý		NA	NA	NA	NA	7	the
/ 29	1.00 FW	Ÿ	N	Y	7	7	7	Y	Y	1	Y	Y	NH	NY	M	NA	Y	
1/	dio AM	7	7	7	7	7	Y	Y	Ý	7	1	Y	Nt	NA	XX	NA	<u> </u>	the
/30	I DO PM	7	N	4	N	7	4	4	Ý	4	7	4	ΝH	NH	M	AK	1	the
/	9:00 AM	4	N	Y	N	4	Y	Y	Y	Ý	Y	4	NA	NA	NA		Y	16
1/3)	1:00 PM	4	N	Y	N	Y	У	4	Ý	Y	У	У	MA	NA	NA	NA	y	
								,	,			,						

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

REVISION DATE: 5/14/2013

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET All recoverable oil in reach of If recoverable oil is not within reach of an Is oil Inspection operating skimmer? (Y or N or NA¹) operating skimmer . . . removal If N in previous column, Location & Inspector equipment **Response Action Taken** Specific Location & Response Action To Be (Initials) Primary Secondary, Sludge Diked (Otherwise enter "N") off Time Date Taken ² (Otherwise enter "N") Ponds Lagoon Lagoon Lagoon ground? الفلا 9:00 1:00 9:00 O, AM milion 03 10 OH NA AK NA NIA $\langle \dot{\mathbf{x}} \dot{\mathbf{y}} \rangle$ ~ ٥l 06 9:00 1:00pm 9:00 AM 1:00 9:00 AM 1:00pm

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

`			SRWV	VTP D	AILY	OIL MANAGEMENT INSPEC	CTION L	OG SHEET	
Insp	ection	1	recoverable ng skimmer			If recoverable oil is not within reach of an operating skimmer	Is oil removal	If N in previous column, Location &	Υ
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")	equipment off ground?	Response Action Taken (Otherwise enter "N")	Inspector (Initials)
1.	9:00 AM	4	4	NA	nA	\sim	Y	N	R
1/10	1:00 PM	Y	4	NA	NA	\mathcal{N}_{-}	Ý	N	A
	9:00 AM	Ý	4	NA	NA	N	4	\mathcal{N}_{i}	
1/11	1:00 pm	Y	У	NA	nA	N	Ý	N	R
1	J.00 AM	7	Y	NA	NA	N	1	N	1
12	1:00 BW		7	NH	M	N	7	N	
	3 00 JW			MA	NH	N		N	1
13	100 PM	1	7	NA	NH	λ	Ý	N	1
11/1	9:∞AM	7	7	NA	NA	Ν	7	N	\ <u>\</u>
14	1.00 PM	7	7	NK	NA	N	Y	N	T
11/2	9:03M	4	4	NA	NA	$\mathcal{N}_{\mathcal{C}}$	Y	N	16
1/15	1:00	<i>Y</i>	Y	NA	NA	N	4	N/	
1/2	9:00 AM	Ý	Ý	NA	int	N	Ý	N	R
11/6	1:00 pm	Y		M	NA	\mathcal{N}	4	N	R
1/12	9:00 AM	Y	¥	NA	NA	N	4	N	
1//7	1:00pm	4	-	NA	NA	N	Y	N	K
1/10	9:09 M	4	4	NA	NA	N	<u>'Y</u>	N	
1116	1:09m	<u> </u>	У	M	NA	\sim	Y	N	M

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET All recoverable oil in reach of If recoverable oil is not within reach of an Is oil Inspection operating skimmer? (Y or N or NA¹) operating skimmer . . . removal If N in previous column, Location & Inspector equipment **Response Action Taken** Specific Location & Response Action To Be (Initials) Primary Secondary Sludge Diked (Otherwise enter "N") off Date Time Taken ² (Otherwise enter "N") Lagoon Lagoon Ponds Lagoon ground? MA $M\!\!A$ 1 NA . 50 July NA \mathcal{G} NX 00AM 00 PM SO NA AW 00 D. 0,00 AM 1:00 PM 9100 AM 9:00 AM 1:00 ()·∞

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

			SRWV	VTP D	AILY	OIL MANAGEMENT INSPEC	CTION L	OG SHEET	
Insp	ection	ľ	recoverable ng skimmer			If recoverable oil is not within reach of an operating skimmer	Is oil removal	If N in previous column, Location &	Inspector
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")	equipment off ground?	Response Action Taken (Otherwise enter "N")	(Initials)
	9-24M	7	Y	NA	NA	N	7	N	D
/28	100 PM	4	٧	NY	NA	N	4	N	步
11/0	MAM	A	7	NA	NA	N	4	N	址
/29	100 DW	7	Y	NA	Air	7	Y	N	I
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¹ If no recoverable oil is present, enter Not Applicable (NA).

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APPENDIX B

Oil Hauling Manifests

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MID 087738431

January 15, 2014

Via Certified Mail - Return Receipt Requested

Diane M. Sharrow (LR-8J) Enforcement Officer RCRA Branch Land and Chemicals Division U.S. EPA, Region 5 77 West Jackson Boulevard Chicago, IL 60604-3590

Subject: December 2013 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant

('SRWWTP')

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The December monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. The report contains the December wildlife survey report and the operators' inspection logs. No wildlife was potentially exposed in the month of December.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,

James E. Earl, Manager Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ

US Fish & Wildlife, Ann Arbor Office

www.severstalna.com



CONTINUING EMERGENCY MEASURES

THE MONTHLY PROGRESS REPORT FOR December 2013

SCHAEFER ROAD WASTE WATER TREATMENT PLANT SEVERSTAL DEARBORN, LLC

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES MONTHLY PROGRESS REPORT SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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2.0 Activities for the Period	1
3.0 Inspection Findings	1
4.0 Evaluation	1,2
5.0 Oil Removal and Disposal	2
Wildlife Survey	Appendix A
Inspection Summary and Report Sheets	Appendix B

CONTINUING EMERGENCY MEASURES MONTHLY PROGRESS REPORT SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period December 1 through December 31, 2013. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds except for a couple small openings at the south end of the east sludge pond and the north end of the primary lagoon. The openings in the netting were repaired. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

A Wildlife Survey was conducted on December 17-18, 2013 and a copy of the report is provided in Appendix A. Inspection reports show seasonal activities observed in the general area, and no significant issues at the site were identified. Dr. Gates, Severstal's wildlife consultant, also reviewed and summarized the SRWWTP operation inspections for the period of December 1 to December 18, 2013 in the Wildlife Survey Report.

The summary of daily inspection findings is provided in Appendix B. Copies of the inspection reports are also provided in Appendix B. Daily Inspections show normal activities observed throughout the area.

In the month of December, a blue heron was observed near one of the treatment plant impoundments and was scared off with the air horns. The bird flew or ran away after horn blasts, so persistent hazing with the air horn was necessary.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in December. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures

taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

- 1. Is all recoverable oil captured within containment areas at the end of each workday? Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed by vacuum truck.
- 2. Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact? No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by vacuum truck.
- 3. Is all soil with visible oil contamination covered to prevent wildlife direct contact? Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
- 4. Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan? The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place. Propane cannons operated properly in December 2013 except on the December 21 due to cold and rainy weather. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
- 5. Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence? In December, there was an observation of a blue heron near one of the treatment plant impoundments and was scared off with the air horns. Activities within SRWWTP fence are summarized in Appendix B.
- 6. Are required and specified materials and equipment on hand and in usable condition or properly deployed? As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of December 2013.

APPENDIX A

Wildlife Survey

Monthly Wildlife Survey Report Schaefer Road Wastewater Treatment Plant Severstal Dearborn, LLC December 17-18, 2013

Prepared by:

Dr. Robert J. Gates School of Environment and Natural Resources The Ohio State University 210 Kottman Hall 2021 Coffey Road Columbus, OH 43210-1085 FAX: 614-292-7432

gates.77@osu.edu -- Phone 614-292-9571

Submitted to:

Mr. James Earl, Manager, Environmental Engineering Severstal Dearborn.

Copied to:

Mr. Sid Haymour, Mr. David Williamson, and Ms. Lan Trinh, Severstal Dearborn; David Rockman, Eckert Seamans, Cherin, and Mellott, LLC

Wildlife survey conducted and reported by:

Dr. Robert J. Gates, School of Environment and Natural Resources, The Ohio State University

Survey Dates: 17-18 December, 2013 **Reporting Date:** 6 January, 2014

I. WILDLIFE DISTRIBUTION, ABUNDANCE, ACTIVITY AND RESPONSE TO DETERRENT MEASURES

Procedure:

Wildlife surveys were conducted from 3 hours before sunset through 1 hour after sunset and from 1 hour before sunrise through 3 hours after sunrise during 17-18 December, 2013. Nine survey points (Figure 1) were established at strategic locations that provided complete visual coverage of the primary and secondary lagoons, sludge ponds, clarifiers, and grit chambers at the Schaefer Road Wastewater Treatment Plant (SRWWTP). Four survey points (not shown in Figure 1) were established at the southeast, southwest, northwest, and northeast corners of the diked lagoon.

The surface waters, shorelines, and nearby areas were searched with aid of binoculars to detect presence and record activity and abundance of all species of wildlife (birds, mammals, reptiles, and amphibians). Shorelines of the primary, secondary, and diked lagoons and sludge ponds were surveyed to detect and sign (droppings, tracks, feathers, or other physical remains) of past wildlife use and to find wildlife carcasses. No carcasses or other remains of dead wildlife were found during the December 2013 monthly surveys.

Locations, activities (perched, flying [altitude], walking, resting feeding, etc), were recorded for all wildlife observed during 5-15 minute observation periods at each survey point. Wildlife response to deterrent measures was observed throughout the evening and morning survey rounds. Wildlife sign indicating past use (e.g. tracks, droppings, feathers and other remains, etc.) were observed and recorded while walking between survey points.

Three evening (17 December, 2013) and three morning (18 December, 2013) survey rounds were completed for the entire set of survey points. Walking surveys of the fence perimeter, bermed area, or other remote areas of the SRWWTP also were conducted at least once during the morning or evening survey periods.

Survey Results:

Evening, 17 December, 2013

The first round of evening wildlife surveys at the SRWWTP began at 3:20 pm and was completed by 4:40 pm on 17 December, 2013. The survey included the 13 survey points associated with the lagoons, clarifiers sludge ponds, grit pits, and the bermed area (Figure 1). Air temperature was 25°F, there was no precipitation, and cloud cover was 100% overcast. Winds were from the west at 5-10 mph. Visibility around the survey points and walking route was not obstructed by fog or steam rising from water bodies at the SRWWTP. Overall coverage of the area was 100% from all survey points.

A total of 117 birds of 7 species were observed during the first evening survey round on 17 December, 2013 (Table 1). Three flocks of Canada Geese passed over or within 400 feet of the SRWWTP, including 45 birds that flew at 200 feet altitude within 200 feet south of the south perimeter fence, 25 that flew over the primary lagoon at 50 feet altitude, and 11 that flew over the sludge ponds at 75 feet altitude. At least 1 Mallard was heard calling from the Rouge River area within 100 – 200 feet west of the sludge ponds. One Mourning Dove was seen perched in vegetation (*Phragmites* spp.) outside the perimeter fence within 40 feet west of the primary lagoon. Twelve Dark-eyed Juncos flew at 10 feet altitude over the southwest corner of the diked lagoon. Six American Robins and 1 Field Sparrow also flew over the diked lagoon at 20-50 feet altitude. Four American Robins, 3 Dark-eyed Juncos, and 2 Field Sparrows flew at 10-20 feet altitude just outside the west perimeter fence, 100 feet southwest of the diked lagoon. Approximately 5 Field Sparrows were heard calling from tree perches in the bermed area.

None of the birds observed during the first evening survey on 17 December, 2013 attempted to land on or near any of the SRWWTP water surfaces or other areas that are

potentially hazardous to wildlife. No other birds were observed on or within 5 feet of water surfaces of the primary, secondary, and diked lagoons, or the sludge ponds, clarifiers and grit pits. No birds were observed inside the netting or goose-lines surrounding the lagoons. No other wildlife, or tracks and sign of wildlife were observed.

The second round of evening wildlife surveys began at 4:45 pm and was completed by 5:40 pm on 17 December, 2013. The surveys covered the bermed area and the 13 survey points associated with the lagoons, clarifiers sludge ponds, and grit pits (Figure 1). Air temperature was 24° F, there was no precipitation, and cloud cover was 100% overcast. Winds were from the west at 5-10 mph. Visibility around the survey points and walking route was unobstructed by fog or steam rising from water bodies at the SRWWTP and visual coverage of the area was 100%.

A total of 78 birds observations of 6 species were observed during the second evening survey round on 17 December, 2013 (Table 2). One Great Blue Heron and 3 Mallards were heard calling from the Rouge River area within 100 - 200 feet west of the sludge ponds. One Mourning Dove flew over the north end of the secondary lagoon at 20 feet altitude. A flock of about 60 European Starlings was observed perched in trees and feeding on the ground along the bermed area road north of the diked lagoon. Two Field Sparrows flew over the bermed area road at 10 feet altitude. One flock of 13 Canada Geese flew over the bermed area and perimeter fence at 200 feet altitude.

None of the birds observed during the second evening survey on 17 December, 2013 attempted to land on or near any of the SRWWTP water surfaces or other areas that are potentially hazardous to wildlife. No other birds were observed on or within 5 feet of water surfaces of the primary, secondary, and diked lagoons, or the sludge ponds, clarifiers and grit pits. No birds were observed inside the netting or goose-lines surrounding the lagoons. Several sets of cottontail rabbit tracks and weasel (species undetermined) tracks were observed in fresh snow along the bermed area road north of the diked lagoon. No other wildlife, or tracks and sign of wildlife were observed.

The third round of evening wildlife surveys at the SRWWTP began at 5:50 pm and was completed by 7:05 pm on 17 December, 2013. The surveys covered only the 13 survey points associated with the lagoons, clarifiers sludge ponds, and grit pits. (Figure 1). Air temperature was 24° F, there was no precipitation, and cloud cover was 100% overcast. Winds were from the southwest at 10-15 mph. Visibility around the survey points and walking route was unobstructed by fog or steam rising from water bodies at the SRWWTP and visual coverage of the area was 100%. The survey was conducted after sunset at a fast pace to detect any birds that may have flown in to roost on water surfaces of the SRWWTP.

No birds were observed within 400 feet of the SRWWTP during the third evening survey on 17 December, 2013. Consequently, no birds were observed on or within 5 feet of water surfaces of the primary, secondary, and diked lagoons, or the sludge ponds, clarifiers and grit pits. No birds were observed inside the netting or goose-lines surrounding the lagoons. One cottontail rabbit was observed in the assembly area of the

SRWWTP, within 20 feet south of the secondary lagoon. No other wildlife, or tracks and sign of wildlife were observed.

Morning, 18 December, 2013

The first round of morning wildlife surveys began at 6:30 am and was completed by 7:35 am on 18 December, 2013. The surveys covered only the 13 survey points associated with the lagoons, clarifiers sludge ponds, and grit pits (Figure 1). Air temperature was 25° F. Cloud cover was 100% overcast with light snow flurries. Winds were from the southwest at 0-5 mph. Visibility around the survey points and walking route was unobstructed by fog rising from water surfaces of the SRWWTP so coverage of the survey area was 100% from all survey points. The survey was conducted before sunrise at a fast pace to detect any birds that may have been present on or within 5 feet of the water surfaces of the SRWWTP before sunrise.

Walking inspections of the sludge ponds, clarifiers, all three lagoons, and the grit pits revealed that there were no birds present on these areas before sunrise. One Great Blue Heron and 3 mallards were heard calling from the Rouge River area within 100 - 200 feet west of the sludge ponds (Table 3). No birds were seen within 5 feet of water surfaces of the primary, secondary, and diked lagoons, or the sludge ponds, clarifiers and grit pits. No birds attempted to land on or within 5 feet of water surfaces of the SRWWTP. No birds were observed inside the netting or goose-lines surrounding the lagoons. No observations, tracks, or signs of other wildlife were observed.

The second round of morning wildlife surveys began at 7:50 am and was completed by 9:30 am on 18 December, 2013. The second survey covered the bermed area, perimeter fence, and the 13 survey points associated with the lagoons, clarifiers sludge ponds, and grit pits (Figure 1). Air temperature was 25° F, with light snow flurries, and cloud cover was 100% overcast. Winds were from the southwest at 0-5 mph. Visibility of the primary and secondary lagoon was unobstructed by fog rising from the water surface so visual coverage of the survey area was 100%.

A total of 332 birds of 10 bird species were observed during the second morning survey on 18 December, 2013 (Table 4). There were several flights by 15 flocks (2-75 birds each) of Canada Geese during 8:00 - 8:30 am. Geese were observed flying from south to north over the primary and secondary lagoons or just outside the east and west perimeter fences at 75-130 feet altitude. Three American Robins flew over the sludge ponds at 15 feet altitude and a total of 10 American Robins flew over the secondary lagoon at 75 feet altitude. One American Robin was heard calling from a ground perch just outside the wet perimeter fence within 75 feet west of the primary lagoon. Twenty Ring-billed Gulls were seen flying over the west side of the SRWWTP, including the sludge ponds, secondary lagoon, and west perimeter fence at 75-200 feet altitude. Three Rock Pigeons flew over the secondary lagoon at 75 feet altitude. One Great Blue Heron and at least 3 mallards were heard calling from the Rouge River area within 100 – 200 feet west of the sludge ponds. At least 3 (each species) Dark-eyed Juncos, Field

Sparrows, and Black-capped Chickadees were heard calling from the idle area north the road in the north side of the bermed area.

No birds were observed on or within 5 feet of water surfaces of the any of the three lagoons, or the sludge ponds, clarifiers, and grit pits during the second morning survey on 18 December, 2013. No birds attempted to land on or within 5 feet of water surfaces of the SRWWTP. No birds were observed inside the netting or goose-lines surrounding the lagoons. No observations or signs of other wildlife were observed.

The third round of morning wildlife surveys at the SRWWTP began at 9:45 am and was completed by 10:45 am on 18 December, 2013. The third survey covered the perimeter fence and the 13 survey points associated with the lagoons, clarifiers sludge ponds, and grit pits (Figure 1). Air temperature was 26° F, cloud cover was 100% overcast, and there was no precipitation. Winds were from the southwest at 0-5 mph. Visibility around the survey points and walking route was not obstructed by fog rising from water surfaces of the SRWWTP. Consequently visual coverage of the survey area was 100%.

A total of 7 birds of 5 species were observed during the third morning survey on 18 December, 2013 (Table 5). One American Robin flew over the west perimeter fence at 50 feet altitude within 100 feet west of the primary lagoon. One Red-tailed Hawk and one Mourning Dove flew over the bermed area at 50-100 feet altitude. One American Robin and 1 Dark-eyed Junco were heard calling from the bermed area within 50 feet of the diked lagoon. Two herring gulls flew over the west perimeter fence at 50-100 feet altitude. Approximately 55 Dark-eyed Juncos and 5 Field Sparrows were seen perched in vegetation or on the ground while feeding in the northwest corner of the idle area.

No birds were observed on or within 5 feet of water surfaces of the primary, secondary, and diked lagoons, or the sludge ponds, clarifiers and grit pits during the third morning survey on 18 December, 2013. No birds attempted to land on or within 5 feet of water surfaces of the SRWWTP. No birds were observed inside the netting or gooselines surrounding the lagoons. Several sets of weasel (species undetermined) cottontail rabbit tracks were seen in fresh snow along the perimeter road west of the bermed area. No other observations, tracks, or signs of other wildlife were recorded.

Table 1. Summary of bird species observations recorded during point count and walking surveys conducted during the first evening survey at the Schaefer Road Wastewater Treatment Plant on 17 December, 2013. Numbers in parentheses indicate numbers of birds observed perched within the fencing, netting, or goose-lines of the sludge ponds, clarifiers, and lagoons. See text for more details.

Common Name	Scientific Name	Sludge Ponds	Clarifiers	Prim. Lagoon	Second. Lagoon	Diked Lagoon	Bermed Area	Perim. Fence	Idle Area	Total
Canada Goose	Branta canadensis	11(0)		25(0)				45		81
Mallard	Anas platyrhynchos							1		1
Great Blue Heron	Ardea herodias							1		1
Mourning Dove	Zenaida macroura							1		1
American Robin	Turdus migratorius					6(0)		4		10
Field Sparrow	Spizella puzilla					1(0)	5	2		8
Dark-eyed Junco	Junco hyemalis					12(0)		3		15
Total	•	11(0)	0(0)	25(0)	0(0)	19(0)	5	57	0	117

Table 2. Summary of bird species observations recorded during point count and walking surveys conducted during the second evening survey at the Schaefer Road Wastewater Treatment Plant on 17 December, 2013. Numbers in parentheses indicate numbers of birds observed perched within the fencing, netting, or goose-lines of the sludge ponds, clarifiers, and lagoons. See text for more details.

Common Name	Scientific Name	Sludge Ponds	Clarifiers	Prim. Lagoon	Second. Lagoon	Diked Lagoon	Bermed Area	Perim. Fence	Idle Area	Total
Canada Goose	Branta canadensis						13			13
Mallard	Anas platyrhynchos							1		1
Great Blue Heron	Ardea herodias							1		1
Mourning Dove	Zenaida macroura				1(0)					1
European Starling	Sturnus vulgaris						60			60
Field Sparrow	Spizella puzilla						2			2
Total	1 1	0(0)	0(0)	0(0)	1(0)	0(0)	75	2	0	78

Table 3. Summary of bird species observations recorded during point count and walking surveys conducted during the first morning survey at the Schaefer Road Wastewater Treatment Plant on 18 December, 2013. Numbers in parentheses indicate numbers of birds observed perched within the fencing, netting, or goose-lines of the sludge ponds, clarifiers, and lagoons. See text for more details.

Common Name	Scientific Name	Sludge Ponds	Clarifiers	Prim. Lagoon	Second. Lagoon	Diked Lagoon	Bermed Area	Perim. Fence	Idle Area	Total
Mallard	Anas platyrhynchos			····				3		3
Great Blue Heron	Ardea herodias							1		1
Total		0(0)	0(0)	0(0)	0(0)	0(0)	0	4	0	4

Table 4. Summary of bird species observations recorded during point count and walking surveys conducted during the second morning survey at the Schaefer Road Wastewater Treatment Plant on 18 December, 2013. Numbers in parentheses indicate numbers of birds observed perched within the fencing, netting, or goose-lines of the sludge ponds, clarifiers, and lagoons. See text for more details.

Common Name	Scientific Name	Sludge Ponds	Clarifiers	Prim. Lagoon	Second. Lagoon	Diked Lagoon	Bermed Area	Perim. Fence	Idle Area	Total
Canada Goose	Branta canadensis			27(0)	99(0)			153		279
Mallard	Anas platyrhynchos							3		3
Great Blue Heron	Ardea herodias							1		1
Ring-billed Gull	Larus delawarensis	10(0)		3(0)				7		20
Rock Pigeon	Columba livia	` ,		` ´	3(0)					3
American Robin	Turdus migratorius			3(0)	10(0)			1		14
European Starling	Sturnus vulgaris			3(0)						3
Dark-eyed Junco	Junco hyemalis			, ,					3	3
Field Sparrow Black-capped	Spizella puzilla	·							3	3
Chickadee	Poecilia atricapillus								3	3
Total		10(0)	0(0)	36(0)	112(0)	0(0)	0	165	9	332

Table 5. Summary of bird species observations recorded during point count and walking surveys conducted during the third morning survey at the Schaefer Road Wastewater Treatment Plant on 18 December, 2013. Numbers in parentheses indicate numbers of birds observed perched within the fencing, netting, or goose-lines of the sludge ponds, clarifiers, and lagoons. See text for more details.

Common Name	Scientific Name	Sludge Ponds	Clarifiers	Prim. Lagoon	Second. Lagoon	Diked Lagoon	Bermed Area	Perim. Fence	Idle Area	Total
Herring Gull	Larus argentatus				,,,,,,,			2		2
Red-tailed Hawk	Buteo jamaicensis						1			1
Mourning Dove	Zenaida macroura						1			1
American Robin	Turdus migratorius						1	1		2
Dark-eyed Junco	Juncohyemalis						1			1
Total	•	0(0)	0(0)	0(0)	0(0)	0(0)	4	3	0	7

II. CONDITION, OPERATION, AND FUNCTIONALITY OF WILDLIFE DETERRENT AND OIL CONTACT PREVENTION MEASURES

Procedure:

Inspections of the wildlife deterrent measures were completed once each morning and evening during successive wildlife surveys rounds (see objectives 1 and 2). The location, number, condition and functionality of the wildlife deterrent and oil contact prevention measures were evaluated and recorded. Inspections of wildlife deterrent and oil prevention measures recorded during daily inspections conducted by Severstal Dearborn personnel were summarized for comparison with observations recorded during the monthly survey.

Inspection Results:

Primary Lagoon

Two scare-eye balloons were deployed and inflated along the fence-line surrounding the primary lagoon during 17-18 December, 2013. Some old, deflated or damaged balloons were also present; these were not counted in the number of inflated balloons reported here. One propane cannon was deployed on the primary lagoon but fired at an atypically slow rate under the cold air temperatures (24-27° F) during the morning and evening surveys. One wind dancer was deployed and was operating normally. The propane cannon and wind dancer were still operating when the third evening survey round was completed by 7:05 pm on 17 December, 2013. The wind dancer and propane cannon were not operating at the beginning of the first morning survey on 18 December, 2013. The SRWWTP operator re-started the wind dancer and propane cannon by 8:15 am on 18 December, 2013. The fence-line was sparsely flagged with mylar tape. High winds appeared to have stripped much of the mylar ribbon on the goose-lines and fencing around the primary lagoon. The netting surrounding the outflow was fully functional, anchored tight to the ground. There was a small (1 ft²) hole in the netting in the northwest corner of the lagoon near the oil skimmer, just inside the chainlink fence. There were no other obvious holes or gaps that would allow entry by anything but small-sized species of wildlife. The chain-link fencing around the primary lagoon was in excellent condition with no gaps or holes.

Two horizontal rope oil skimmers were deployed at the primary lagoon, one near the outflow at the north end and the other near inflow at the south end. The oil skimmers did not operate during the morning and evening surveys on 17-18 December, 2013. The rope skimmer at the outflow of the primary lagoon was broken and not operating. A fabric boom oil boom was deployed in the northeast corner of the primary lagoon.

Dispersed patches of oil sheen were evident over much of the primary lagoon on 17-18 December, 2013. One patch (4 x 10 feet) of oil accumulated in eddies outside the metal boom near the southwest corner of the primary lagoon during 17-18 December, 2013. There was a large patch (20 X 40 feet) at the wheel end of the rope skimmer under

the netting at the northeast corner of the primary lagoon on 17 December, 2013. This patch was smaller (3 X 6) feet on 18 December. A 10 X 15 patch of oil also was present at the intake end of the rope skimmer under the netting in the northwest corner of the primary lagoon.

Senescent emergent vegetation was present inside the netting at the outflow of the primary lagoon. These included a 4 x 15 feet patch of cattail (*Typha* spp.) and a 5 x 30 feet patch of common reed (*Phragmites australis*). A few small (2 X 3 feet) scattered patches of common reed (2 x 10 feet) and dead stems of annual grasses and forbs were present along the west shoreline of the primary lagoon.

Secondary Lagoon

Four scare-eye balloons were inflated and deployed on the goose-line surrounding the secondary lagoon during 17-18 December, 2013. Some old, deflated or damaged balloons were also present; these were not counted in the number of inflated balloons reported here. One propane cannon and one wind dancer were deployed on the secondary lagoon and both operated normally. The propane cannon was still operating when the second survey round was completed by 7:05 pm on 17 December 2013. The wind dancer and propane cannon were not operating at the beginning of the first morning survey on 18 December, 2013. The SRWWTP operator re-started the wind dancer and propane cannon by 8:15 am on 18 December, 2013. The goose-lines surrounding the secondary lagoon were intact with no gaps. Chain link fencing was partially installed around the secondary lagoon and when complete will provide a more effective barrier to wildlife. High winds appeared to have stripped much of the mylar ribbon on the goose-lines surrounding the secondary lagoon.

Two horizontal rope oil skimmers were deployed at the north and south ends of the secondary lagoon. One vertical belt oil skimmer also was deployed near the south end at the bend of the secondary lagoon. The horizontal rope and vertical belt oil skimmers did not operate on 17-18 December, 2013.

There were dispersed patches of light oil sheen across the surface of the secondary lagoon on 17-18 December, 2013. There were patches (5 X 10 feet) of oil along the east shoreline of the secondary lagoon where oil booms intersected the windward shoreline. An 8 X 16 foot patch of oil was present on the intake end of the south rope skimmer on 18 December, 2013. Smaller (3 x 3 feet) patches of oil accumulated near the belt skimmer and the intake and wheel ends of the oil rope skimmers. The secondary lagoon was largely devoid of vegetation except for scattered patches of dead vegetation.

Diked Lagoon

One scare-eye balloon was inflated and deployed on the goose-line surrounding the diked lagoon during 17-18 December, 2013. Some old, deflated or damaged balloons were also present. One propane cannon was deployed on the diked lagoon but fired sporadically under the cold air temperatures (24-27° F) during the morning and evening surveys. The propane cannon was still operating when the second survey round was completed by 7:05 pm on 17 December, 2013. The propane cannon was not operating at the beginning of the first morning survey on 18 December, 2013. The SRWWTP operator re-started the propane cannon by 8:15 am on 18 December, 2013. Gaps in the goose-line fence that were noted during the October monthly inspection were replaced with plastic caution tape or heavy string. The goose-line was sparsely flagged with mylar tape.

No oil skimmers were deployed on the diked lagoon. The diked lagoon was 100% ice-covered so there were no patches of oil or oil sheen on the diked lagoon during 17-18 December, 2013. The diked lagoon was almost entirely devoid of shoreline vegetation.

Perimeter Fence

High winds appeared to have stripped some of the mylar ribbon deployed on the west perimeter fence. The fence appeared intact and functional, although drifting snow obscured the bottom 1-2 feet of the fence. The SRWWTP operators reported that the large opening at the bottom of the fence west of the bermed area (see November 2013 inspection report) had been repaired.

Sludge Ponds, Clarifiers, and Grit Pits

Netting was deployed over the east and west sludge ponds. The sludge pond netting was anchored tight to the ground. There was only one small (1 ft²) hole in the netting on the south end of the east sludge pond. Otherwise, there were no holes or gaps that would allow entry by anything but small-sized birds, mammals or reptiles. The netting was mostly held well above the surface of the east sludge pond. There were two places where the netting sagged into the water surface of the west sludge pond, as noted in the November monthly inspection report. The netting around where an aerator is inserted on the north end of the east sludge pond had accumulated enough ice to cause the netting to sag to within a few inches of the water surface.

No other wildlife deterrent measures were deployed at the sludge ponds, clarifiers, or grit pits. Rotating oil skimmers effectively removed surface oil from the clarifiers. No oil skimmers were deployed at the sludge ponds or grit pits. No vegetation was present around the clarifiers or grit pits. The sludge ponds were largely devoid of live vegetation except for a few common reed stems around the margins. Dead emergent vegetation (cattails and common reed) covered <10% of the west sludge pond and < 5% of the east sludge pond.

SRWWTP Operator

Effective deterrent activities by the SRRWTP operator were observed during 17-18 December, 2013. The SRWWTP operator regularly patrolled the lagoons, sludge ponds clarifiers, grit pits, and surrounding area. Birds were effectively hazed from the site and the operator was clearly knowledgeable and conscientious about deterring wildlife from using the SRWWTP.

III. REVIEW OF DAILY WILDLIFE OBSERVATIONS, DETERRENT INSPECTIONS, AND OIL REMOVAL MEASURES

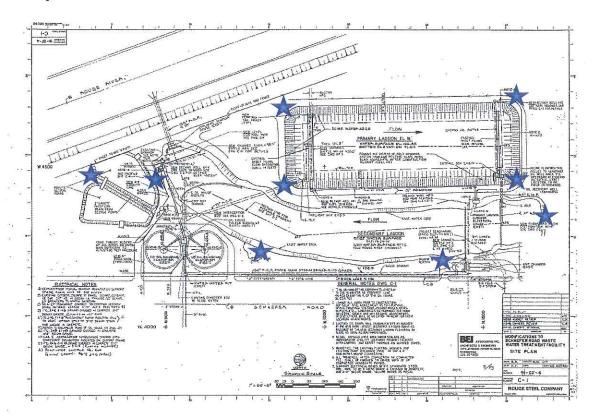
This section reports inspections daily wildlife activity, wildlife deterrents inspections, and oil management records kept by the SRWWTP operators during 1–18 December, 2013. On-going risks or exposure of wildlife to oiled surfaces are evaluated based on observations recorded during the monthly evening and morning surveys.

Results:

Wildlife deterrents and oil removal measures were inspected twice per day (35 total inspections) by SRWWTP operators between 9:00 am and 1:00 pm each day during 1-18 December 2013. The oil management records were all in order with no missing records and were mostly nothing consistent with the December monthly inspections (this report). However, the operators did not detect or record the sagging netting in the east and west sludge ponds or the small holes in the netting at the north end of the primary lagoon and the south end of the east sludge pond.

The daily wildlife activity inspections were mostly consistent with the December monthly inspection (this report). The daily wildlife activity inspections included observations of Common Loon and Northern Harrier. The identifications of these species are questionable but not impossibly correct. Northern Harriers are likely confused with other species of raptors, most likely Sharp-shinned or Cooper's Hawks. Common loon may have been confused with another species of large water bird such as Double –crested Cormorant or a large species of Grebe.

Figure 1. Map diagram of the Schaefer Road Wastewater Treatment Plant and surrounding areas where wildlife were surveyed during 17-18 December, 2013. Blue stars indicated survey stops where 5-15 minute point counts and observations of wildlife activity were conducted.



APPENDIX B

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

SUMMARY OF WILDLIFE ACTIVITY LOG

Inspections	Bird Observations	Interest Shown	Adjacent	Flying Over	Elsewhere	Interest Shown Location	Number of Horn Blasts	Exposed?	Carcass?	Result
109	135	0	1	74	60	NA	131	No		Flew or ran away on their own and after horn blasts.

*During dawn to dusk inspections

Interest Shown: In or On the Ponds

Adjacent: to within 5 feet of water edge or surface

Elsewhere: On the ground or structure, or in tree >5 from water

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Vegetation (>6 inches high)	Cannon Operating	Scary Balloons (>8 inflated)	Netting Holes or Gaps	Mylar Bibbons Inplaced	Air Dancer Operating?
None	No No	Yes. Except on 12/21		No	Yes	Yes. Except few raining or windy days

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Re	coverable Oil	If Recoverable Oil Not	Oil Man	agement	
			Oil	If Not.	
Primary	Secondary		equipment	Response	
Lagoon	Lagoon	Speccific Location	off Ground	Action	Comments
0	0	NA	Yes	INIA	Oil not captured by skimmers is removed frequently by vacuum truck.

			SR	WWTP - WILD	LIFE ACTIV	ITY LO	G			<u></u>
Date 2013	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass '	Inspector (Initials)
12/1	8:00 AM	CANADA GOSE	25	SL(S) P D B	IA 6DE	0	F/EW ATUAL	N	N	R
12/1	8:03 M	AMERICAN ROBIN	4	(SL)S P D B	1 A (O) E	0	FLEWAWAY	N	N	10
12/1	1:20m	MOUMING DOVE	9	SI) S P D B	I A Ø E	0	FLEW AWAY	N	N	
12-2	8:00 Am	RobiN C	2	(SL)SPDB	I A O (È	2	FLEW LUNGY	\mathcal{U}	N	74
15-5	9:00 AM	Marking DOVE	1	SL S P(D)B	I A O (E)	\	FLEW LWAY	N	N	D-
12-2	1000	SPALAOW	17	SL S P(D)B	IAOŒ	14	Flèw Away	N	N	97
12.2	P.006W	RABBIT	Ì	SL S P(D)B	I A O É	١	RAW AWAY	N	N	7
12-3	8:00 Am	RODIN	2	SLSPDB	I A O E	2	Flèw AWAY	N	N	7
12-3	4-30/M	SPARROWS	5	(SL) S P D B	IA Ø E	2	FLEW AWAY	\mathcal{N}	N	200
12-3	12:30 PM	GREAT ashuE HEROX	ĝ	SL(S)P D B	I A O E	1	Tim Away	N	N	7
12-3	1:30 AM	GREAT BLUE HERON)	SL/S P D B	I A OE		FLEW AWAY	N	N	W-
123	(30)W	MOURING DOVE	2	SL S P D B	I A O(E)	2	FIEW ANAL	N	N	-
12-4	8:00Am	MOURING DOVE	2	SL S P D(B)	I A O E	2	FLEW AWAY	N	N	五
12-4	9 w/W	MOURING DOVE	2	SL S P D (B)	$I A O(\widehat{E})$	2	FLEW AWAY	1/1	λ	Ā
12-4	1.00 bW	Son Gull	1	(SL) S P D B	I A O (E)		TEW AWAY	N	7	Ø.
12-4	615 AM	PIGEON	2	SL S P D(B	I A O (E	2	ARW AWAY	N	N	
	8:00 AM	SEA GUIL)	(SL) S P D B	I A O (E)	l	FLEW AWAY	7	N	th
12-5	9:00 AW	Robin	2	SL S(P) D B	I A Ô E	0	FLEW AWAY	N	N	对
125	1:00 P.W	HAWK	7	SL S P D(B)	I A O (E)	3	FLEW AUGU	N	N	15
12-5	5:30PM	RABBIT	2	SL) S P D B	I A O(E) [RAN AWAY	2	N	to
12/6	8:05M	MOUMING DONE		SL S P (D)B	I A O E	1	FIEW AWAY	N	n	R
12/6	9:28M	GREAT HUTE HERON	1	SL S P D B	IAO(E)	2	FIFTH ANALY	N	N	11-
1 01 01 1		Consideration of D. D. T. C. D. D. D.					7,000			-

¹ SL = Studge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree > 5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

			SR	WWTP - WILD	LIFE ACTIV	ITY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass 4	Inspector (Initials)
12/7	7:5/AM	CANADA GOOSE	9	SL SPD B	I A 🛈 E	0	FIEW AWAY	N	x)	R
12/7	8-18	CANADA GOOSE	25	SL S(P)D B	I A O E	٥	FIEW AWAY	N	N	
12/7	5:2 pm	CANADA GOOSE	8	SI) S P D B	I A 🛈 E	0	FIEW AWAY	N	N	R
12/7	5:26 PM	CANADA GOOSE	41	SL S(P) D B	I A 🕡 E	0	FIEW AWAY	N	1	RC)
112/8	8 ZiAm	MOUNING DOVE	14	(SL) S P D B	I A O E	0	FIEW AWAY	1/	1/_	
12/8	11:16m	RING RIMEN GULL	1	SL(S)P D B	I A O E	0	FIEW AWAY	N	14	
12/8	Siogn	CANADA GOOSE	23	SL SPD B	I A O E	0	FIEW AWAY	\mathcal{N}	N	
12/8	5:11pm	CANADA GOOSE	38	SL S(P)D B	I A O E	0	FIEW AWAY	\mathcal{N}_{-}	1	
129	9.00/W	CANADIAN GEESE	20	SL S(P)D B	I A O E	\bigcirc	TIEW AWAY	N	N	
129	1.00hW	COMMON GRACKLE	10	SL S P D(B)	I A O(E)	4	FIEW NWHY	N	N	A
	Pastu	RADDIT	1	SL S P D (B)	I A O (E)	2	RAW HUNKY	Ŋ	N	M
15-10	8.00M	CANADIAN GETSE	10	SL S(P)D B	I A(O) E	0	TIEW AWAY	N	7	-77-
12-10	1,00 M	GREAT TSLUE HERON	1	(SL) S P D B	I A (0) E	2	FLEW AWAY	N	N	一位
17-10	1:00/1	Anul	1	SL S P D(B)	I A O (E	4	FLEW AWAY	\mathcal{N}	Ŋ	the
12-10	5:30PM	CANANIAN STEESE	1	SL S P D B	I A OE	2'	FLEW AWAY	N	N	2
	5:30gm	Common GRACKLE	3	SL S P D (B	I A O (E)	2	FLEW TWAY	\mathcal{N}	N	K
12-11	8:00 AM	SPARROW	1	(SL)S P D B	I A O E		FLEW AWAY	λ	λ	M
12-11	J.00 A	1 HAWK		SL S P D B	IAOŒ		FLEW MWAY	M	N	
12-11	1,00pm	GREAT BLUE HEROX	之	SL(S)PDB	I A O E	4	FLEW AWAY!	N	N	W.
12-11	5:30 PM	ROBIN	1	$SL S P (\widehat{D}) B$	I A O Æ	Ù	YALUTA CIEST	N	\mathcal{N}	
12-12	8.00An	CANADIAN TEESE	20	SL S P(D)B	I A OE	D	Flew Away	N	N	
12-13	9:00/M	Mourino Dok	J	SL S P D B	1 A O E	Ĭ	HEW AWAY	N	N	

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree > 5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

			SR	WWTP - WILD	LIFE ACTIV	TTY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
1242	1:00 PM	Common GRACKIE	1	SL S P D B	I A OÆ	l	PLEW AWAY	N	N	.5
12-12	7:00 bW		12	SL S P(D) B	I A O E	0	FLEW AWAY	N	N	<u>V</u>
12-12	J:30)/M	Robin	1	SL S P(D) B	I A O (E)		Flew LWAY	N	2	D
12-13	8:00 Am	CANADIAN GEESE	20	SL S(P)D B	I A (O) E	Ŏ	FLIW AWAY	N	Z	1
12-13	Jimg/M	RobiNS	3	SL S P(D)B	I A O/E	3	FLEW HURY	N	Ŋ	
12-13	1:00 DW	CHNADA GOOSE		SL S(P) D B	I A(0) E	2_	FLEW AWAY	N	7	7
6151	Sabu	Robins	4	(SL) S P D B	I A O(E)	2	FLEW AWAY	N	N	3
12-13	5:00PM	GLEAT BLUE HERON	Ì	\widetilde{SL} $S(\widehat{P})$ D B	$I A \langle \widehat{O} \rangle E$	0	FLEW AWAY	N	N	th
17/14	8:33 _{AM}	COMMON WOON	2	SL S(P)D B	I A 🛈 E	Ō	FIEW AWAY	Λ	A/	(P)
12/14	10:01	MAKING DOVE	1	(SI) S P D B	I A O E	1	FIEW AWAY	N	N_{-}	RC
12/14	5:07pm	mourning ports	1	SL SP D B	I A O E	1	FIEW AWAY	\sim	Λ	
12/15	7158m	MOUSTING DOVE	3	SL S(P)D B	I A O (E)	0	FIEW AWAY	Δ	4	
21/51	8:31 _{AM}	CANADA GOOSE	49	SI S P D B	I A (O) E	0	FIEW AWAY	N	N	19
16115	8:48M	CANADA GOOSE	32	SL(S) P D B	I A (O) E	0	FIEW AWAY	N	1	
1////	8:59M	CANADA GOOSE	4	(SI) S P D B	1 A (6) E	0	HEW AWAY	1/	n	R
12/15	3101 PM	worthern Harrier	2	SL (S)P D B	I A 🕢 E	0	FIEW AWAY	N	Ν	
12/15	5:22m	MOUMING DOVE	1	SL S (P) D B	IAOE	1	FIEW AWAY	N,	N	
12/16	7:56 AM	mouring POVE	21	SL SPDB	1 A 6 E	0	FIFTH AGAY	N	1/	
	10:02 AM	CANADA GOOSE	22	SL S(P)D B	I A O E	0	FIEWAWAY	1	n	1
	10:20 MA	CANADA GOSE	46	SL (S)P D B	I A (D) E	0	FIGH AWAY	λ	1)	15
	5:02 AM	COMMON GOACKEE			I A ① E	٥	FIEW ARIAY	N,	n	14
12/16	SIOTA	COMMON GAEKE	1	SL S(P)D B	I A O (E)	1	FIEW ALLAY	N	n/	KO

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REVISION DATE: 5/14/2013

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			SR	WWTP - WILD	LIFE ACTIV	TTY LO	G			
Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
12/17	8:41 8:41	CANADA GOOSE	24	SL S P(D)B	I A O E	0	FIEW AWAY	N	N	RO
12/17	9:27m	Marmon DOVE	7	SL(Š)PDB	I A OE	0	FIEW AWAY	1	N.	100
16/11	9:25M	CANADA GOOSE	2	SL S(P)D B	I A Ø E	0	FIEW AWAY	N	N	RO-
12-18	Soo fin	CANADIAN FLEESE	1	SL S(P)D B	I A O E	0	Flew Away	N	N	
12-18	d: 50 AM	CANADA GOOSE	6	(SL) S P D B	I A OE	0	Flitw Away	N	7	女
	5:30PM	CANADA GOOSE	12	SL) S P D B	I A (O) E	0	TEW TWAY	N	7	
12-19	8:00 AW	CANADA GOOSE	100	SL(S)P D B	I A (0) E	0	FLEW AWAY	2	N	16
12-19	4:00/4/4	Mourins Sovie	7	(SL) S P D B	I A O (E	7.	FLEW AWAY	2	N	7
15-19	1,00 KW	COMMON GRACKIE	8	SL S P D B	I A O E	2	FLEW AWAY	N	N	The state of the s
	530ph	CANADA GOOSE	27	SL S P D (B)	I A O (E)	0	Flaw Away	N	N	The state of the s
	S. W	RAWbit		SL S P D B	IAOŒ	0	Rom Away	N	N	N N
12-20	11,00 AM	GREAT JULE HERON	1	SL S P D B	IAO E	10	FLEW MUIRY	N	2	女
12-20	100 DM	Common GRACHE	3	SL S P (D) B	I A O (Ē)	2	TEW AWAY	N	λ	W.
	6:00 A	RADOT		SL(S)P D B	I A O (È	0	RAN flushi	Ŋ	N	
12-21	8,00/M	Robin		SL S P D B	I A O (È)		FLEW AWAY	<u> </u>	\mathcal{N}	M
12-21	11:00 AM	BLACK BIRY	1	SL S P D B	IAOÉ	1	Flew Away	N	N	to
	630pm	Rabbit	1	SL S P D B	I A O(E)	0	RAW HWAY	N	N	W.
12/22	7:48M	CANADA GOOSE	43	SL(S)P D B	I A O E	0	FLEW AWAY	N	1/	
12/27	8:16AM	Ring Billen Gull	11	SL S(P)D B	I A 🌀 E	0	FLEW AWAY	N	N	
17/27	12:13 ₀₀₁	Ring Rillen Gull	3	SL S (P) D B	I A O E	0	FLEW AWAY	N	Δ	14
12/27	1:18001	Ring Billen Gull		\	I A O E	1	FLEW AWAY	4	N	
155/51	7:53 AM	MOUNING DOVE	2	SL SPDB	I A O E	0	TIEW AWAY	///	N	

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Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
12/23	8:03 _{AM}	CANADA GOOF	18	SL S P B	I A (O) E	0	FIEW AWAY	N	N	R
12/23	8:05 AM	CANADA GOOSE	2	SL S P (D) B	I A O E	0	FIEW AWAY	N	N	KP
12/23	8:13 _{AM}	ROCK DOVE	5	SL SPD B	1 A (O) E	0	FIEW AWAY	\mathcal{N}	N	10
12/23	12:SEM	MOUTHING DOVE	8	SL S P(D)B	1 A ① E	0	FIEW AWAY	N	M	100
12/23	5:16pm	MOUTTING DOVE	Y	SL(S)P D B	I A O (E)	2	FIFW AWAY	N	N	10
12/24	7:57m	Ring BillEn Gull	U	SL(S) P D B	I A O E	0	FIEW AWAY	\mathcal{N}	Δ	A
12/24	8.01 AM	COMMON GRACKIE	8	SL S (P) D B	I A Ô E	0	FIEW AWAY	N	N	
12/24	8 AM	CANADA GOOSE	5	SL SPD B	1 A 🛈 E	0	FIEW AWAY	N	N	RE
10/09	8:30W	Great blue Heron	1	SL S P D B	IAOE	2	FIEW AWAY	N	N	10
11/167 1	9:24 AM	Great bluE Heron	1	SLSPD (B)	I A O E	0	FIEW AWAY	N	λ	F
12/24	5:05 PM	CANADA GOOSE	2	SL SPD B	1 A 🛈 E	0	FIEW AWAY	\sim	\mathcal{N}	R
12/24	Silpu	CANADA GOOSE	/3	SL S(P)D B	I A (O) E	0	FIEW AWAY	\mathcal{N}_{\perp}	\mathcal{A}	B
12/25	7:3/m	rabbit	1	SL(S)P D B	IAO(E)	1	RAWAWAY	N	N/	R
12/25	8.17AM	Marming DOVE	9	SL S D B	I A O (Ē)	2	FIEW AWAY	N	1)	
12/25	9:16m	RING BITIED GULL	1	SL S P DB	1 A (O) E	0	FIEW AWAY	N	N	
12/25	9:18AM	COMMON GACKLE	14	SL S P D B	I A O E	0	FIEW AWAY	\mathcal{N}	1)	10
	9:27M	Ring Billes Gull	1	SL (S)P D B	г <i>а (</i> б) е	0	FIEW AWAY	N	N	19
12/25	12:58 M	Northern HAMER	1	SL S P D B	I A OE	0	FIEW AWAY	N	N	K
12/25	3:10pm	CANADA GOOSE	13	SL(S)P D B	I A (0) E	0	FIEWAWAY	N	N	R
1-16-5	5:15m	CANADA GOOSE	9	SL) S P D B	I A OE	0	FLEW AWXY	N	11 4	20
140	5:20 PM	MOUMING DOVE	Ż	SL S (P)D B	IAO(E)	2	FIEW AUAY	N	N	K
12-26	8.100 MM	SEA GULL	2	SLSPDB	I A O /E	2	FLEW NWAY	N	N	

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Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴	Inspector (Initials)
12-26	J:pofW	at A Gulls	3	(SL) S P D B	I A O (Ê	2	FLEW AWAY	N	N	X
12-26	15,01 bw		H	SL(S)P D B	I A O (E	2 (FLEW AWAY	N	7	一位
12-26	905W	Rabbit	\	SL S P D (B)	I A O (E	0	RAN AWAY	\mathcal{N}	N	A
12-77	8°00ÅW	CANADIA GOOSE	(LOO)	SL/SPDB	I A (Ö E	0	Flew AWAY	N	N	7
12-27	J. W.	WREAT BLUE HERON		ŜL) S P D B	I A O (E)	4	HEW AWAY	7	N	
1227	1:00 PM	GF CANADA CTOOSE	5	(ŜL) S P D B	I A O E	6	FLEWKWAY	N	Ν	7
12:27.	300 PM	Common GRACKLE	6	SL S P D(B)	I A O(E	2	FLEW AWAY	\mathcal{N}	Ν	2
12:27	\mathcal{E}^{∞}	RADDIT	l	(SL) SPDB	I A O (E)	١	RAN AWAY	7	7	X
12-23	8:00 Am	CANADA GOOSE	100	SL(S)P D B	I A O E	0	FLOW tWAY	N	N	7
12-28	9:00 AW	COMMON GRACKLE	6	SL/S P D B	I A O (E) 2	FIEW AWAY	N	N	M-
17-28	1,006,4	COMMON GRACKIE	60	SLSPDB	I A O(E)	7	Flew Away	N	N	
12-28	(30)M	RABBIT	3	(SL)S P(D)B	I A O(E	3	RAW AWAY	7	N	3
12-29	8100/ _{AM}	CANATA GOSE	40	SL(S) D B	I A O(E)	0	FLEW AWAY	\mathcal{N}	N	74
12-29	J.00/11	SFA Gulls	1	(SL) S P D B	I A O(E)	2	THUM WEST	N	N	7
12-29	Timb!	Common GRACKIES	10	SLSPD(B	IAO(È	8	FLEW AWAY	N	N	A
12-29	630PM	Rabbit	10	(SL)S P D B	I A O (E) \	RAM HWAY	N	N	並
12/30	7:55M	CANADA GOOSES	24	SL(S)PDB	I A O E	0	FIEWAWAY	\mathcal{N}		14
12/30	8:10 AM	CANADA GOOSEX	10	SL S(P) D B	I A 🕢 E	Q	FIEW AWAY	\mathcal{N}	N,	15
12/30	8.25M	CANADA 6005EX	31	SL(S)P D B	1 A (O) E	0	FIFW ALLAY	N	n/	14
12/30	3.76m	CANADA GOOSES	4	SL SPDB	1 A (O) E	0	FIEW AWAY	N	N_{\perp}	1
	3:28M	CANADA GOOSEX	22	SL(S)PDB	I A O E	0	FIEW AWAY	N	N	
12/31	8:39m	CAMADA GOOSES	7.1	SL/S/P D B	I A Ø E	0	FIEW AWAY	N	N	R

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Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled)	Carcass ⁴ ?	Inspector (Initials)
12/31	315 EM	CANADA GOOSE	1	SL/S)PDB	I A 🕢 E	0	FIEW ALAY	N	N	10
12/31	5:09m	MOUMING DOVE	2	SL S(P) D B		_	FIEW AWAY	N	N	18
12/31	SIZM	American Robins	1	SLSPD®	IAOŒ	7	FIEW AWAY	N	N	R
				SL S P D B	IAOE		/			
				SL S P D B	I A O E					
				SL S P D B	IAOE					
				SL S P D B	I A O E					
				SL S P D B	IAOE					
				SL S P D B	I A O E					
				SLSPDB	J A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	IAOE					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SLSPDB	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					

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Tnen	SRWV	VT]	P DAII	LY	WILD	LII	FE		tus of Deter				PEC	CTIC	ON	LOG	SHEET	
Date	Time		ncing in Good ndition?	Ol incl	getation kay (< 6 hes high; uttings)?	Оp	Cann erat (Y/N	on ing?	At Least Eight (8) Balloons Inflated?	Net of	ting l Holes Gaps?	Free s or	(A _I		Iay, A	Okay? Aug & Y/N)	At Least One (1) Air Dancer Operating?	Inspector (Initials)
2013		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	s	D	W PF ²	Y/N	
12/1	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	4	NA	NA	NA		4	R
	1:00 pm	4	\sim	Ý	N	\forall	Y	У	Ý	¥	Y	4	NA	NA	WA	NA	Ý	R
12/	9:00 Am	7	7	Y	N	7	4	7		Ý	Ÿ	4	MF	NA	NA	NA	4	
<u> 02</u>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7	7	Y	7	7	Y	7	7	7	1	7	AL	NA	ŊΑ	NA	1	VI.
2/	1,00 MW	7	7	7	N	7	7	X	7	1	Y	7	<i>\</i> \}A	NA		NA	<u> </u>	4
03	1,00 by	7	7	4	2	7	1	7	<u> </u>	7	7	7	NH	NA		NA	<u> </u>	<u> </u>
12/1	dio AM	7	N	7	7	7	Ÿ	Y		7	4	y	AVA	NA	AK	AK		M.
104	In DW	7	N	7	7	7	7	7	_ \	Y	7	4	NH	NA	NA	NA	7	R
2/	d:00 YM	1	N	7	N	7	7	Y	7	7	4	7	MA	AK	<u>k</u> k	NY	<u> </u>	A.
/ 05	1.00 BW	Ý	N	7	N'	Y	7	4	1	7	7	7	NA	M	AK	MA		
7/1	9:09M	4	N	Ý	N,	Y	Y	X	4_	4_	4	4	NA	NA	VA-	NA	\mathcal{Y}_{-}	1
2/6	1:00 pm	Y	N	¥.	N	Y	ý	Ý	4	¥_	Ý	4	NA	NA	NA	NA	<i>Y</i>	P
2/7	9:00 AM	4	N	4	N	Ý	Y	7	- Y	4	ý	4	NA	NA	NA	-NA	- 1/-	16
' '	1:00m	Y	\mathcal{N}	У	N	ý	Y	Y	<u> </u>	У	Y	y	NA	NA		4	- 	K
2/0	9:09M	Y	N	Ý.	N	4	<u> </u>	7	<u> </u>	Y	4	4	NA	l l	NA	NA	- Y -	Kgg
48	1200pm	Y	N	4	N	4	y	У	У	4	Y	Y	NA	NA	WH	NH	<u> </u>	14

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

² W PF = West Perimeter Fence

	SRWV	VT]	P DAII	LY	WILD	LI	FE						PEC	CTIC	ON	LOG	SHEET	
Insp Date	ection Time		ncing in Good ndition?	Ol inel	getation kay (< 6 hes high; uttings)?	Op	Cann erat (Y/N	on ing?	tus of Deter At Least Eight (8) Balloons Inflated?	Net of		Free s or	(A _I		Iay, A		At Least One (1) Air Dancer Operating?	Inspector (Initials)
2013	4	Y/N	Location (if N)	Y/N	Location (if N)	P	s	D	Y/N	EL	WL	P	P	S	D	W PF ²	Y/N	
12/	9.00AM	7	X	1	2	1	4	7	7	Y	7	Y	NA	NA	NA	NA	7	St
64	1,00 bu	7	N	Y	N	1	7	<u>Y</u>	<i>Y</i>	Ÿ	Y	λ,	M	NA	NA	NA	1	
12/	9:00 m		7	1	1/2	Ų	1	1		X	7	1	NA	XIA	M	NA		1
/ 10	1:00 PM	7	2	1	N	4	1	7	7	1	1	1	NH	M	NH	MM	1	
12/	1:00 AM	7	7	1	2	Ţ	7	7	7	Ţ	7	1	NA	NA	Ν¥	AK		<u> </u>
<u>/ 11</u>	1:00 PM	7	\mathcal{N}	1	7	7	17	7	7	7	7	7	M	M	XA	KL	\rightarrow	A -
12/10	1:00 Pm		2	7	1	7	7	7		1	V	V	M.	NA	AK AK	NA NA		1
/12	7 NO 1	7	7	7	7	7	1	1	J	+	1	1	<u> </u>	NA	1/1	AK	7	11
12/3	1:00 KW	7	7	7	7	7	7	7		1	V	1	717	NA	NA.	NA		
	9:00 AM		17	4	17	$\frac{1}{}$			1		16		1 (A-	NK	in the	n A		RO
12/14	1:00 FM	7	<i>n</i> /	7 V	<i>N</i>	7	7	7	7	7	7	7	NA	, ,	NA nA	nA		PO
1	9:08m	V	1/	4	N	4	1	1	1	7	Y V	7	. 4	n/A	n/It NA	nA	4	22
12/15	1:00M	$\frac{1}{\sqrt{1}}$	N	\checkmark	N	4	7	7	V	7	<i>7</i> -	 	NA	NA		nA	4	20
/	9:00	4	1/	4	N	4	4	\checkmark	/ V	4	1	4	NA	nA	M	nA	4	14
12/16	1:00pm	4	\sim	4	N	Y	4	4	4		Ý	4	NA	-nA	NA	nA	- 4	M.

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		VT]	P DAII	LY	WILD	LII	FE						PEC	CTIC	ON	LOG	SHEET		
Insp Date	Time		encing in Good endition?	OI incl	getation kay (< 6 nes high; uttings)?	Op	Cann erat (Y/N	on ing?	tus of Deter At Least Eight (8) Balloons Inflated?	Net of		Free s or	(A)		Iay, A		At Least One (1) Air Dancer Operating?	Inspector (Initials)	men men servery may regal day may depend day day day day day day day day day da
		Y/N	Location (if N)	Y/N	Location (if N)	P	s	D	Y/N	EL	WL	P	P	s	D	W PF ²	Y/N		
1-1	9:00 AM	Y	N	4	N	Y	4	4	<u>Y</u>	Y	Y	4	NA	NA	NA	NA	¥	2	
12/17	1:00 pm	Ý	N	Ý	N	¥	Ý	4	Ý	Ý	Ý	Ý	NA	NA	NA	nA	4		
12/	9:00 AM	1	7	7	7	Ý	4	Ý	4	Ý	Y	14	NA	NA	NA	NA	\	1	
<u> </u>	1,00 BW	7	7	7	7	7	7	Y	7	7	Y	1	NA	MA	MA	NA	Y	9	
2	9:00 AM		N	7	N	7	7	1		7	1	11	NA	,	MA		1	1	
19	1:00 b	7	N	1	N	1	1	Y	<u> </u>	Ì	Y	Y	NA	NA	ΝŁ			25	-
12/	9:00 AM	1	N	Y	N	7	7	7	7	7	7	7	MA	WA	NA	NA	W		RAIN
/20	1,0 Pm	7	N	4	N	7	7	7	<u> </u>	7	7	Y	NA	NA	NA	NA	N		RAN
12/	9:00 AM	4	7	7	N	X	N	N	7	7	7	Ϋ́ Y	MF	1.5	M	I	Ŋ	16	RHIN
/21	1:00	¥	Ν	7	N	N	1	N	Y	7	1	7	NA	NA	HK	AK	N	The	KAIN
12/22	9:00 _{AM}	Y	N	4	N	y	Y.	Y	У	*	y	1	M	NA	NA	NA	-	XQ.	 .
12/12	1:00 PM	Y	N	y	N	Y	Y	Y	У	y	y	У	'nА	NA	NA	nA	4		
12/23	9:00 AM	Y	N_{\perp}	Ý	_ <i>N</i>	Y	4	У	<u> </u>	<i>Y</i>	<u></u>	Y	M	NA	,	nA	7/	14	
0105	<i>P \rightarrow</i> \	Y	N	Ý,	_//	¥	y _	y	Y.	Y	4	14		NA		NH	<u> </u>	100	
12/14	9:00 AM	4	\mathcal{N}	Y	N	¥	Y	Ý	4	<u> </u>	4	4	NA			NA		Jan	
~101	1:00 PM	Y	\mathcal{N}	ý	N	\mathcal{Y}	Y	Y	<u> </u>	Y	Y	Y _	NA	NA	NA	NH	<i>y</i>	H	

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

² W PF = West Perimeter Fence

Insp	Dongon 1																	
Date	Time			Ol incl	kay (< 6	Op		ing?	1	of	_	sor	(A _I		Iay, A	Aug &	One (1) Air	Inspector (Initials)
		Y/N	Location (if N)	Y/N	Location (if N)	P	s	D	Y/N	EL	WL	Р	P	S	D	W PF ²	Y/N	
	9:00 AM	У	2	Y	N	Y	4	4	Y	Ý	4	Y	NA	NA	NA	NA	У	R
2/25	1100 PM	Ÿ	\sim	Ý	\sim	y	4	4	Ý	Ÿ	Ý	Y	NA	WA	WA	NA	Y _	ge
12/	9:00 AM	7	7	4	7	4	4	4	1	Y	Y	4	NK	Not	NA	1	<u> </u>	T
/ 26	1,00 bW	7	7	7	7	7	7	7	7	7	1	Y	M		NA	NA	4	
12/	9:00 AM	7	N	4	N	Y	7	7	4	7	1	1	M	NA	NY	Α	`\	to
/ 2t	For PW	7	N	7	7	7	1	7	+	1	Y	Y	NA	NA	NH	NH	7	1
2/20	7:00 AM	7	N	7	N	7	4	4	7	7	X	7	NH	W	W	NY	<u> </u>	1
/28	1:00 DW	Y	N	7	N	7	7	7	7	7	1	7	NA	AK	NA	NK	+	12
12/	9'00 AM	7	N	7	7	7	1	1		7	7		NA_	W	M	NA	<u> </u>	<u> </u>
129	1:00 PM	1	7	7	N	1	1	7	7	7	7	1	W	M	W	NA	<u> </u>	<u> </u>
12/20	9:00AM	7	N	Y	N,	Y	4	7	<u> </u>	4	4	У	NA	NA	n/A	NA	4	16
12/30	1:00M	Y	N	4	N	Y	4	Y	4	Y	Y	4	MA	nA	nA	NA	<u> </u>	
12/31	9:00 AM	<u>Y</u>	N	<u>Y</u>	N	7	7	4	<i>y</i>	\mathcal{Y}	4	4	NH	NA		M	4	14
0/3/	1:09m	Y	N	4	N	Y	4	Y	<u> </u>	7	4	4	NA	NA	nA	MA	7	FE
					·													

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

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NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

	" Manager"		SRWV	WTP D	AILY	OIL MANAGEMENT INSPEC	CTION L	OG SHEET	
Insp	ection		recoverable ng skimmer			If recoverable oil is not within reach of an operating skimmer	Is oil removal	If N in previous column, Location &	
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")	equipment off ground?	Response Action Taken (Otherwise enter "N")	Inspector (Initials)
4-/	9:00 AM	4	4	NA	NA	N	Y	N	R
12/1	1:00pm	ý	Y	NA	NA	\mathcal{N}	Ý	N	RO
12/	0.00	4	4	NA	NA	N	7	N	TO TO
\02	1.00 pW	1	7	NA	NA	N	7	N	TE,
12/	J:WAW	7	7	NA	NA	N	٩	\mathcal{N}	M
03	-	7	4	NA	AN	N	Ý	N	H
12/	0,00 AM	7	7	NA	MY	N	7	Ŋ	St
/ 04	()) \	7	٦	NA	MA	N	Ý	N	D
12-	9:00 AM	1	4	NA	NH	N	4	N	D
<u> </u>	, , ,	7	Y	NA	NA	X	4	N	J.
	9:09M	Y	Y	NA	M	N	Y	\mathcal{N}	
1216	1:00pm	Y	Y	NA	MA	N	Ý	N	K
17/7	9:00 AM	Ý	<u>'</u> Y	NA	NA	N	4	\mathcal{N}	R
12//	1:00m	y	Y	NA	NA	\mathcal{N}	Ý	\mathcal{N}	
n/0	9:00 Am	<u> </u>	Ý	NA	NA	\mathcal{N}	4	N	PC
12/8	1100m	Y	Y	M	NA	N	4	N	R
12/1	900AM	4	'\	NA	MA	N	4	N	H
/ 4	1:00 PM	1	4	NA	AX	N	4	N	DE

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

	and the second s		SRWV	VTP D	AILY	OIL MANAGEMENT INSPEC	CTION I	OG SHEET	
Inspe	ection		recoverable ng skimmer			If recoverable oil is not within reach of an operating skimmer	Is oil removal	If N in previous column, Location &	
Date	Time	Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")	equipment off ground?	Response Action Taken (Otherwise enter "N")	Inspector (Initials)
12/	GOOTH	Y	Y	NA	NA	N	7		25
10	LoopW	7	1	AK	AL	N		N	W
12/	J.00/W	7	7	NA	NA	N	Y	Ν,	D
<u>/ 11</u>	1,00 bW		1	AK	Nt	N	Y	N	1
12/	100 YW	У	Y	NA	NA	N		N	DF
/12	1:00 PM	1	Ÿ	NA	NH	N	7	N	-KL
12/3	9:00 AM	7	7	NA	XK	N	7	N	H
/13	1:00 BM	7	1	NA	NA	N	7	N	#
17/11/	9:00 AM	7	4	NA	M	n/	Ý	Λ	R
147	1:00 pm	Y	Ý	NA	NA	n	Ý	N	12
10/10	9:09m	Y	Ÿ	NA	NA	N	4	N	A)
10/100	1:00pm	4	Y	NA	NA	N	Y	N	R
-//	9:08M	Y	4	NA	NA	\mathcal{N}_{i}	Y	\mathcal{N}_{i}	40
12/16	1:00gm	4	Ý	NA	WA	N	4	N	KC
1	9.00		Ÿ	NA	NA	N	Ý	\sim	R
12/17	1:00 PM	4	Y	NA	NA		4	\sim	A
17 / [4500 1 1	7, 1	4	NA	NA	N	Ý	N	The
181	:00 PM	Ÿ)	NA	NA	N	4	N	D\$-

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

	" Aggerere"		SRWV	VTP D	AILY	OIL MANAGEMENT INSPEC	CTION L	LOG SHEET	,
Insp	ection	ŀ	recoverable ng skimmer			If recoverable oil is not within reach of an operating skimmer	Is oil removal	If N in previous column, Location &	
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")	equipment off ground?	Response Action Taken (Otherwise enter "N")	Inspector (Initials)
12	dio YW	7	7	NA	NA	7	7	N	妣
19	1:00 DW	7	7	NA	AK	N	~	N	74
12/	J.50 M	7	7	MA	NA	N	7	N	H
/ 20	100 Pm		7	AM	NA	N	4	N	4
12/	9:00 AM	7,	<u>Y</u> `	NA	NA	\mathcal{N}_{-}	Y	N	4
/21	1:00 PM		1	AX	NA	N	Y	N	Jt.
l _ /_	9:00 AM	Y	Y	NA	nA	\mathcal{N}	Ý	\mathcal{N}_{-}	R
22/2	1:00pm		4	NA	NA	N	Ý	N	0
17,123	9:00 AM	4	Ý	NA	M	\mathcal{N}	4	N	RE
10100	1:00pm	- Y	<u> </u>	MA	nA	- N	Ý	N	PC
12/24	9:00 AM	4	Ý	NA	NA	<i>N</i>	4	N	R
100/01	PM	<u> </u>	<u> </u>	NA	NA	N	<u> </u>	\mathcal{N}	R
12/20	9:00 AM	4	Y	NA	M	$\mathcal{N}_{\mathcal{I}}$	4	N	R
12/25	1:0gm	'	1	M	NA	N	Ý	n/	RO
12/0)	1:00 AM	1		NA	NA	N	1	N	4
/ Who	1,00 PM	1	4	NK	NH	N	- - - - - -	\mathcal{N}	M
12/07	100 AM	1		1/4	KK	N	1	N	the
/ "at	Loo Aw	Y	7	NA	SH	\sim	7	N	the

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

		James .		SRWV	VTP D	AILY	OIL MANAGEMENT INSPEC	CTION L	OG SHEET	
I	nspectio	on	9	recoverable ng skimmer			If recoverable oil is not within reach of an operating skimmer	Is oil removal	If N in previous column, Location &	
Dat	te '	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")	equipment off ground?	Response Action Taken (Otherwise enter "N")	Inspector (Initials)
12	/ IM:	bo AM		1	MA	NA	N	Ý	N	A
1	20 10	opM	7	7	NA	NA	N	4	7	H
12		m.f.co		7	MX	M	<u> </u>	y	N	the
		mg or	_\		NA	NA	N	7	N	St
12/		AM AM	<u> </u>	4	NA	NA	$\mathcal{N}_{\mathcal{I}}$	Y	\mathcal{N}_{ℓ}	
10 L		PM -	<u> </u>	-	M	NA	N	4	\mathcal{N}	R
12/	$\frac{7}{31} \frac{7}{15}$	AM 00	4	$-\mathcal{I}_{\ell}$	NA	NA	$\mathcal{N}_{\mathcal{I}}$	<i>Y</i>		
, ,		DOM PM	7	- - - - - - - - -	M	NA	N	4	N	
		161								
					į					
Taran (Alice) billion										

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).